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BUREAU DES RADIOCOMMUNICATIONS

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PUBLICATION TRIMESTRIELLE
DE LA
LISTE DES RÉSEAUX À SATELLITE

QUARTERLY PUBLICATION
OF THE
SPACE NETWORK LIST

PUBLICACIÓN TRIMESTRAL
DE LA
LISTA DE REDES DE SATÉLITE

国际电信联盟
无线电通信局

МЕЖДУНАРОДНЫЙ СОЮЗ ЭЛЕКТРОСВЯЗИ
БЮРО РАДИОСВЯЗИ

الاتحاد الدولي للاتصالات
مكتب الاتصالات الراديوية

每季度公布的
空间网络清单

ЕЖЕКВАРТАЛЬНАЯ ПУБЛИКАЦИЯ
СПИСКА КОСМИЧЕСКИХ СЕТЕЙ

النشرة الفصلية
لقائمة الشبكات الساتلية

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<http://www.itu.int/ITU-R/space/sn/>

<p>La liste des réseaux à satellite a pour objet de fournir aux administrations des informations complètes sur les stations spatiales et les stations terriennes existantes ou en projet, en particulier sur l'utilisation du spectre des fréquences radioélectriques, l'occupation de l'orbite des satellites géostationnaires et des orbites des satellites non géostationnaires ainsi que sur toutes les publications de référence (Sections spéciales et Parties) se rapportant aux services spatiaux. Cette liste est incluse dans la BR IFIC (services spatiaux) sur CD-ROM (mise à jour trimestrielle) et peut être également consultée directement sur le site Web du Bureau :</p> <p>http://www.itu.int/ITU-R/space/snl/</p>	<p>The space networks list has been prepared with a view to informing administrations in a comprehensive manner of planned or existing space stations and earth stations giving information on the use of the frequency spectrum, the occupancy of the geostationary orbit as well as on non-geostationary orbits on all reference Publications (Special Sections and Parts) related to the Space Services. This list is available on the BR IFIC (space services) CD-ROM (updated on a quarterly basis) and also on the Bureau's Website at:</p> <p>http://www.itu.int/ITU-R/space/snl/</p>	<p>Esta lista de redes de satélite se ha preparado para dar información completa a las administraciones sobre las estaciones espaciales y las estaciones terrenas planificadas o existentes, con información sobre la utilización del espectro de frecuencias y la ocupación de la órbita de los satélites geoestacionarios y de las órbitas de los satélites no geoestacionarios en todas las publicaciones de referencia (Secciones Especiales y Partes) relativas a los servicios espaciales. Esta lista figura en la BR IFIC (servicios espaciales) en CD-ROM (actualizada trimestralmente) y también en la dirección Web de la Oficina:</p> <p>http://www.itu.int/ITU-R/space/snl/</p>
<p>制定空间网络清单的目的在于，全面地向各主管部门通报规划的或现有的空间台站和地球站，尤其是提供有关频谱使用、对地静止轨道的占有以及有关所有与空间业务相关的参照公布资料上（特节与各部分）的非对地静止轨道的信息。本清单通过BR IFIC（空间业务）的CD-ROM提供（每季度更新一次），亦见无线电通信局的网站：</p> <p>http://www.itu.int/ITU-R/space/snl/</p>	<p>Список сетей спутниковой связи имеет целью предоставление администрациям полной информации о существующих и планируемых космических станциях и земных станциях, в частности информации по использованию радиочастотного спектра, занятию орбиты геостационарных спутников и орбит негеостационарных спутников, а также по всем справочным публикациям (Специальным секциям и Частям), относящимся к космическим службам. Этот список включен в CD-ROM BR IFIC (космические службы) (обновляется ежеквартально), с ним можно также ознакомиться на Web-сайте Бюро по адресу:</p> <p>http://www.itu.int/ITU-R/space/snl/</p>	<p>أعدت قائمة الشبكات الساتلية بهدف إعطاء الإدارات معلومات كاملة عن المحطات الفضائية والمحطات الأرضية القائمة أو المخطط لها، وخصوصاً عن استعمال طيف الترددات الراديوية وعن مشغل مدار السواتل المستقرة بالنسبة إلى الأرض ومدارات السواتل غير المستقرة بالنسبة إلى الأرض، وكذلك عن جميع النشرات المرجعية (الأقسام الخاصة والأجزاء) التي تحيل إلى الخدمات الفضائية. وهذه القائمة مدرجة في النشرة الإعلامية الدولية للترددات (BR IFIC) المنشورة على قرص CD-ROM (يتم تحديثها كل ثلاثة أشهر)، ويمكن أيضاً الاطلاع عليها مباشرة في الموقع الإلكتروني لمكتب الاتصالات الراديوية على العنوان التالي:</p> <p>http://www.itu.int/ITU-R/space/snl/</p>

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A10	<p>Liste des réseaux à satellite géostationnaire du service de radiodiffusion par satellite (SRS) et de ses liaisons de connexion associées communiqués et publiés en application des dispositions de l'Article 4 des Appendices 30 et 30A ainsi que la Résolution 42 du Règlement des radiocommunications</p> <p>根据《无线电规则》附录30和30A第4条、包括第42号决议的规定，已通报并已公布的卫星广播业务（BSS）对地静止卫星网络及其关联馈线链路的清单</p>	<p>List of geostationary-satellite networks in the broadcasting-satellite service (BSS) and its associated feeder links communicated and published in application of the provisions of Article 4 of Appendices 30 and 30A including Resolution 42 of the Radio Regulations</p> <p>Список геостационарных спутниковых сетей в радиовещательной спутниковой службе (PCC) и связанные с ними фидерные линии, сообщенные и опубликованные в применение положений Статьи 4 Приложений 30 и 30A, а также Резолюции 42 Регламента радиосвязи</p>	<p>Lista de redes de satélite geoestacionarios del servicio de radiodifusión por satélite (SRS) y sus enlaces de conexión asociados comunicados y publicados en aplicación de las disposiciones del Artículo 4 de los Apéndices 30 y 30A incluida la Resolución 42 del Reglamento de Radiocomunicaciones</p> <p>قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض في الخدمة الإذاعية الساتلية (BSS) ووصلات التغذية المصاحبة لها، التي تم إرسالها ونشرها تطبيقاً لأحكام المادة 4 من التذييلين 30 و 30A والقرار 42 من لوائح الراديو</p>
A11	<p>Liste des réseaux à satellite géostationnaire du service de radiodiffusion par satellite (SRS) et de ses liaisons de connexion associées notifiés et publiés en application des dispositions de l'Article 5 des Appendices 30 et 30A du Règlement des radiocommunications</p> <p>根据《无线电规则》附录30和30A第5条的规定，已通知并已公布的卫星广播业务（BSS）对地静止卫星网络及其关联馈线链路的清单</p>	<p>List of geostationary-satellite networks in the broadcasting-satellite service (BSS) and its associated feeder links notified and published in application of the provisions of Article 5 of Appendices 30 and 30A of the Radio Regulations</p> <p>Список геостационарных спутниковых сетей в радиовещательной спутниковой службе (PCC) и связанные с ними фидерные линии, заявленные и опубликованные в применение положений Статьи 5 Приложений 30 и 30A Регламента радиосвязи</p>	<p>Lista de redes de satélite geoestacionarios del servicio de radiodifusión por satélite (SRS) y sus enlaces de conexión asociados notificados y publicados en aplicación de las disposiciones del Artículo 5 de los Apéndices 30 y 30A del Reglamento de Radiocomunicaciones</p> <p>قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض في الخدمة الإذاعية الساتلية (BSS) ووصلات التغذية المصاحبة لها، والتي تم التبليغ عنها ونشرها تطبيقاً لأحكام المادة 5 من التذييلين 30 و 30A للوائح الراديو</p>
A12	<p>Liste des réseaux à satellite géostationnaire (fonctions d'exploitation spatiale dans les bandes de garde) communiqués et publiés en application des dispositions de l'Article 2A des Appendices 30 et 30A du Règlement des radiocommunications</p> <p>根据《无线电规则》附录30和30A第2A条的规定，已通报并已公布的（在防护频带进行空间操作的）对地静止卫星网络的清单</p>	<p>List of geostationary-satellite networks (space operation functions in the guard bands) communicated and published in application of the provisions of Article 2A of Appendices 30 and 30A of the Radio Regulations</p> <p>Список геостационарных спутниковых сетей (функции космической эксплуатации в защитных полосах), сообщенных и опубликованных в применение положений Статьи 2A Приложений 30 и 30A Регламента радиосвязи</p>	<p>Lista de redes de satélite geoestacionarios (funciones de operaciones espaciales en las bandas de guarda) comunicadas y publicadas en aplicación de las disposiciones del Artículo 2A de los Apéndices 30 y 30A del Reglamento de Radiocomunicaciones</p> <p>قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض (وظائف العمليات الفضائية في النطاقات الحارسة) التي تم إرسالها ونشرها تطبيقاً لأحكام المادة 2A من التذييلين 30 و 30A للوائح الراديو</p>
A13	<p>Liste des réseaux à satellite géostationnaire du service fixe par satellite (SFS) communiqués et publiés en application des dispositions des Articles 6 et 7 de l'Appendice 30B du Règlement des radiocommunications</p> <p>根据《无线电规则》附录30B第6和第7条的规定，已通报并已公布的卫星固定业务（FSS）的对地静止卫星网络的清单</p>	<p>List of geostationary-satellite networks in the fixed-satellite service (FSS) communicated and published in application of the provisions of Articles 6 and 7 of Appendix 30B of the Radio Regulations</p> <p>Список геостационарных спутниковых сетей в фиксированной спутниковой службе (FSS), сообщенных и опубликованных в применение положений Статей 6 и 7 Приложения 30B Регламента радиосвязи</p>	<p>Lista de redes de satélite geoestacionarios del servicio fijo por satélite (SFS) comunicadas y publicadas en aplicación de las disposiciones de los Artículos 6 y 7 del Apéndice 30B del Reglamento de Radiocomunicaciones</p> <p>قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض في الخدمة الثابتة الساتلية (FSS) التي تم إرسالها ونشرها تطبيقاً لأحكام المادتين 6 و 7 من التذييل 30B للوائح الراديو</p>

<p style="text-align: center;">A14</p>	<p>Liste des réseaux à satellite géostationnaires du service fixe par satellite (SFS) et de ses liaisons de connexion associées notifiés et publiés en application des dispositions de l'Article 8 de l'Appendice 30B du règlement des radiocommunications</p> <p>根据《无线电规则》附录30B第8条的规定进行了通知和公布的卫星固定业务（FSS）的对地静止卫星网络及其相关联馈线链路。</p>	<p>List of geostationary-satellite networks in the fixed-satellite service (FSS) and its associated feeder links notified and published in application of the provisions of Article 8 of Appendix 30B of the radio regulations</p> <p>Список геостационарных спутниковых сетей фиксированной спутниковой службы (ФСС) и соответствующих фидерных линий, заявленных и опубликованных в применение положений Статьи 8 Приложения 30B к Регламенту радиосвязи</p>	<p>Lista de redes de satélites geoestacionarios del servicio fijo por satélite (SFS) y sus enlaces de conexión asociados notificados y publicados en aplicación de las disposiciones del Artículo 8 del Apéndice 30B del reglamento de radiocomunicaciones</p> <p>قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض في الخدمة الثابتة الساتلية (FSS) ووصلات التغذية المرتبطة بها والتي تم التبليغ عنها ونشرها تطبيقاً لأحكام المادة 8 من التذييل 30B من لوائح الراديو.</p>
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Partie B / Part B / Parte B / B 部分 / Часть B / B الجزء

LISTE DES RÉSEAUX SPATIAUX ET STATIONS TERRIENNES

Pour chaque réseau spatial ou station terrestre, indication des numéros des Sections spéciales et de la date de leur publication dans les Circulaires du BR.

POUR LA PARTIE B, VEUILLEZ CONSULTER LES REQUÊTES EN LIGNE DISPONIBLES À L'ADRESSE :

WWW.ITU.INT/ITU-R/SPACE/SNL/

空间网络和地球站的清单

每个空间网络或地球站均标有《特节》编号及其无线电通信局通函公布日期以便参照。

有关B部分的情况，请在以下网址进行在线查询：

WWW.ITU.INT/ITU-R/SPACE/SNL/

LIST OF SPACE NETWORKS AND EARTH STATIONS

For each space network or earth station, reference is made to the number of the Special Sections and their publication dates in the BR Circulars.

FOR PART B, PLEASE CONSULT THE ONLINE QUERIES AVAILABLE AT:

WWW.ITU.INT/ITU-R/SPACE/SNL/

СПИСОК КОСМИЧЕСКИХ СЕТЕЙ И ЗЕМНЫХ СТАНЦИЙ

Для каждой космической сети или земной станции указаны номера Специальных секций и дата их публикации в Циркулярах БР.

В ОТНОШЕНИИ ЧАСТИ В ПРОСЬБА ОБРАЩАТЬСЯ ЗА СПРАВКОЙ К ОНЛАЙНОВЫМ ЗАПРОСАМ, РАЗМЕЩЕННЫМ ПО АДРЕСУ:

WWW.ITU.INT/ITU-R/SPACE/SNL/

LISTA DE LOS REDES ESPACIALES Y ESTACIONES TERRENAS

Para cada red espacial o estación terrena, se indican los números de las Secciones especiales y las fechas de su publicación en las Circulares de la BR.

PARA LA PARTE B, SIRVASE CONSULTAR EL SISTEMA DE BÚSQUEDA EN LINEA DISPONIBLE EN LA DIRECCIÓN:

WWW.ITU.INT/ITU-R/SPACE/SNL/

قائمة الشبكات الفضائية والمحطات الأرضية

بيان أرقام الأقسام الخاصة وتاريخ نشرها في نشرات مكتب الاتصالات الراديوية لكل شبكة فضائية أو محطة أرضية.

بالنسبة إلى الجزء B يرجى الاطلاع على موقع الاستفسار على الخط في العنوان التالي:

WWW.ITU.INT/ITU-R/SPACE/SNL/

Partie C / Part C / Parte C / C部分 / Часть C / C الجزء

LISTE DES RÉSEAUX SPATIAUX ET STATIONS TERRIENNES
EN ATTENTE

Pour chaque réseau spatial ou station terrienne, indication des numéros des Sections spéciales et de la date de leur publication dans les Circulaires du BR.

POUR LA PARTIE C, VEUILLEZ CONSULTER LES REQUÊTES EN LIGNE DISPONIBLES À L'ADRESSE :

WWW.ITU.INT/ITU-R/SPACE/SNL/

待处理的空间网络和地球站的清单

每个空间网络或地球站均标有《特节》编号及其无线电通信局通函公布日期以便参照。

有关C部分的情况，请在以下网址进行在线查询：

WWW.ITU.INT/ITU-R/SPACE/SNL/

LIST OF PENDING SPACE NETWORKS AND EARTH
STATIONS

For each space network or earth station, reference is made to the number of the Special Sections and their publication dates in the BR Circulars.

FOR PART C, PLEASE CONSULT THE ONLINE QUERIES AVAILABLE AT:

WWW.ITU.INT/ITU-R/SPACE/SNL/

СПИСОК ОЖИДАЕМЫХ СПУТНИКОВЫХ СЕТЕЙ И
ЗЕМНЫХ СТАНЦИЙ

Для каждой космической сети или земной станции указаны номера Специальных секций и дата их публикации в Циркулярах БР.

В ОТНОШЕНИИ ЧАСТИ С ПРОСЬБА ОБРАЩАТЬСЯ ЗА СПРАВКОЙ К ОНЛАЙНОВЫМ ЗАПРОСАМ, РАЗМЕЩЕННЫМ ПО АДРЕСУ:

WWW.ITU.INT/ITU-R/SPACE/SNL/

LISTA DE LAS REDES ESPACIALES Y ESTACIONES
TERRENAS PENDIENTES

Para cada red espacial o estación terrena, se indican los números de las Secciones especiales y las fechas de su publicación en las Circulares de la BR.

PARA LA PARTE C, SIRVASE CONSULTAR EL SISTEMA DE BÚSQUEDA EN LÍNEA DISPONIBLE EN LA DIRECCIÓN:

WWW.ITU.INT/ITU-R/SPACE/SNL/

قائمة الشبكات الفضائية
والمحطات الأرضية قيد الانتظار

بيان أرقام الأقسام الخاصة وتاريخ نشرها في نشرات مكتب الاتصالات الراديوية لكل شبكة فضائية أو محطة أرضية.

بالنسبة إلى الجزء C يرجى الاطلاع على موقع الاستفسار على الخط في العنوان التالي:

WWW.ITU.INT/ITU-R/SPACE/SNL/

Symboles / Symbols / Símbolos / 符号 / Символы / الرموز

ACT_CODE:	<p>Le symbole "A" indique qu'il s'agit d'une nouvelle demande de notification (ADD);</p> <p>Le symbole "M" indique qu'il s'agit d'une demande de modification (MOD) d'une demande de notification antérieure concernant le même réseau; cette modification peut consister à modifier les renseignements déjà publiés et/ou à publier des renseignements additionnels (exemple: inclusion de nouvelles bandes de fréquences).</p> <p>符号“A”表明，通知请求为一项新（ADD）请求；</p> <p>符号“M”表明，该请求是关于同一网络以前通知的一项修改（MOD）；此修改可能关系到对已经公布的信息和/或已经公布的附加信息的修改（例如，包括新频带）。</p>	<p>The symbol "A" to indicate that the notification request is a new (ADD) request;</p> <p>The symbol "M" to indicate that the request is a modification (MOD) to a prior notification concerning the same network; this modification may involve changes to information already published and/or additional information to be published (e.g. inclusion of new frequency bands).</p> <p>Символ "A" указывает на то, что речь идет о новом запросе на заявление (ADD);</p> <p>Символ "M" указывает на то, что речь идет о запросе на изменение (MOD) к предыдущему заявлению, касающемуся той же сети, это изменение может заключаться в изменении уже опубликованных сведений и/или в публикации дополнительных сведений (например: включение новых полос частот).</p>	<p>El símbolo "A" indica que la petición de notificación es una nueva petición (ADD);</p> <p>El símbolo "M" indica que la petición es una modificación (MOD) de una petición anterior de notificación referente a la misma red; esta modificación puede suponer cambios de la información ya publicada y/o de la información adicional que ha de publicarse (p. ej., inclusión de nuevas bandas de frecuencias).</p> <p>يدل الرمز "A" على أن طلب التبليغ جديد (ADD).</p> <p>يدل الرمز "M" على طلب تعديل (MOD) لطلب التبليغ السابق المتعلق بنفس الشبكة؛ وقد يكمن هذا التعديل في تعديل للمعلومات التي سبق نشرها و/أو في نشر معلومات إضافية (مثال: إدراج نطاقات تردد جديدة).</p>
ADM:	<p>Administration notificatrice.</p> <p>通知主管部门。</p>	<p>Notifying Administration.</p> <p>Заявляющая администрация.</p>	<p>Administración notificante.</p> <p>الإدارة المبلغة.</p>

BAND (GHz):	Bande de fréquences en GHz. GHz范围内的频段。	Frequency band in GHz. Полоса частот в ГГц.	Banda de frecuencias en GHz. نطاق التردد بالوحدات GHz.
CTRY:	Symbole du pays ou de la zone géographique où la station est située. 台站所在国家或地理区域的代号。	Symbol of the country or geographical area in which the station is located. Символ страны или географической зоны, в которой расположена станция.	Símbolo del país o la zona geográfica donde está situada la estación. رمز البلد أو المنطقة الجغرافية التي تقع فيها المحطة.
D_PROT_EFF:	Pour la coordination et la notification, date à partir de laquelle une assignation est prise en compte. 从通知角度考虑的一指配的起始日期。	For notification purposes the date from which an assignment is taken into account. Дата, начиная с которой присвоение принимается во внимание в целях координации и заявления.	Para la notificación, fecha a partir de la cual se tiene en cuenta una asignación. التاريخ الذي يبدأ فيه أخذ التخصيص في الاعتبار لأغراض التنسيق والتبليغ.
D_INUSE:	Date à laquelle une assignation sera mise en service. 一指配的启用日期。	The date on which an assignment will be brought into use. Дата, на которую присвоение будет введено в действие.	Fecha en la cual entrará en servicio una asignación. تاريخ وضع التخصيص في الخدمة.
D_RCV:	Date de réception du formulaire. 收到通知表格的日期。	Date of receipt of notice form. Дата получения формы заявки.	Fecha de recepción del formulario. تاريخ استلام بطاقة التبليغ.
D_WIC:	Date de publication de la Circulaire. 通函公布日期。	Date of publication of the Circular. Дата публикации Циркуляра.	Fecha de publicación de la Circular. تاريخ النشرة.
D_WIC_1A:	Date de publication de la Circulaire dans laquelle la liste des assignations a été publiée dans la Partie I-S. 指配清单公布在I-S部分的通函公布日期。	Date of publication of the Circular where the list of assignments was published in Part I-S. Дата публикации Циркуляра, в котором в Части I-S опубликован список присвоений.	Fecha de publicación de la Circular que en la Parte I-S contenía la lista de asignaciones. تاريخ النشرة التي تم فيها نشر قائمة التخصيصات في الجزء I-S.
FQ_BAND:	Bandes de fréquences (voir le Tableau 1). 频段 (见表1)	Frequency bands (See Table 1). Полосы частот (см. Таблицу 1).	Bandas de frecuencias (véase el Cuadro 1). نطاقات التردد (انظر الجدول 1).

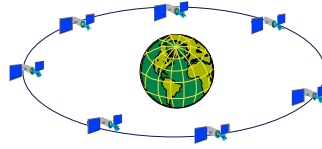
LONG_NOM:	Position orbitale nominale de la station spatiale en degrés Est (+) ou Ouest (-), NGSO signifiant non-géostationnaire. 以东经度数 (+) 或西经度数 (-) 表示的空间台站的标称轨道位置, NGSO 为非对地静止卫星轨道。	Nominal orbital position of the space station in degrees (+) East or (-) West, NGSO for non-geostationary. Номинальная орбитальная позиция космической станции в градусах в. д. (+) или з. д. (-), НГСО означает негеостационарная.	Posición orbital nominal de la estación espacial en grados (+) (Este) o (-) (Oeste), NGSO para no geoestacionaria. الموقع المداري الاسمي للمحطة الفضائية مقدراً بالدرجات شرقاً (+) أو غرباً (-) علماً بأن NGSO تعني غير مستقرة بالنسبة إلى الأرض.
LONG1_NOM:	Position orbitale précédente (lorsque la position a été modifiée) de la station spatiale en degrés Est (+) ou Ouest (-), NGSO signifiant non-géostationnaire. 以东经度数 (+) 或西经度数 (-) 表示的空间台站的前轨道位置 (如位置有变), NGSO 为非对地静止卫星轨道。	Previous orbital position (for the case where the position changed) of the space station in degrees (+) East or (-) West, NGSO for non-geostationary. Предыдущая орбитальная позиция космической станции в градусах в. д. (+) или з. д. (-), НГСО означает негеостационарная.	Posición orbital precedente (para el caso en que la posición haya cambiado) de la estación espacial en grados (+) (Este) o (-) (Oeste), NGSO para la no geoestacionaria. الموقع المداري السابق (في حال تغيير الموقع) للمحطة الفضائية مقدراً بالدرجات شرقاً (+) أو غرباً (-) علماً بأن NGSO تعني غير مستقرة بالنسبة إلى الأرض.
NTC_ID:	Numéro d'identification du réseau à satellite. 卫星网络的标识号码。	Identification number of the satellite network. Идентификационный номер спутниковой сети.	Número de identificación de la red de satélite. رقم تعرف هوية الشبكة الساتلية.
NTWK_ORG:	Symbole de l'organisation exploitant le réseau à satellite régional ou international (voir la Préface). 运行区域性或国际卫星网络的组织的代号 (见前言)。	Symbol of the organization operating regional or international satellite networks (See Preface). Символ организации, эксплуатирующей региональную или международную спутниковую сеть (см. Преамбулу).	Símbolo de la organización que explota redes de satélite regionales o internacionales (véase el Prefacio). رمز المنظمة المشغلة للشبكة الساتلية الإقليمية أو الدولية (راجع المقدمة).

NTF_RSN:		Statut des assignments: 指配的状况:	Status of the assignments: Статус присвоения:	Situación de las asignaciones: وضع التخصيصات:
A:		Publication anticipée (Article 9 Section I). 提前公布 (第9条第一节)。	Advance publication (Article 9 Section I). Предварительная публикация (Раздел I Статьи 9).	Publicación anticipada (Artículo 9 Sección I). النشر المسبق (المادة 9 القسم I).
C:		Demande de coordination (Article 9 Section II). 协调请求 (第9条第二节)。	Coordination request (Article 9 Section II). Запрос о координации (Раздел II Статьи 9).	Petición de coordinación (Article 9 Section II). طلب التنسيق (المادة 9 القسم II).
N:		Notifiée au titre de l'Article 11 et/ou de l'Article 8 de l'Appendice 30B (enregistrée dans le Fichier de référence). 根据附录30B第11条和/或第8条予以通知 (已在国际频率总表中登记)。	Notified under Article 11 and/or Article 8 of Appendix 30B (recorded in the MIFR). Заявлено в соответствии со Статьей 11 и/или Статьей 8 Приложения 30B (записано в МСРЧ).	Notificadas según el Artículo 11 y/o el Artículo 8 del Apéndice 30B (inscritas en el MIFR). تم التبليغ بموجب المادة 11 و/أو المادة 8 من التذييل 30B (مسجل في السجل الأساسي).
PART:	A10	Partie de la Section spéciale (Partie A ou Partie B de l'Article 4 des Appendices 30 et 30A). 特节的部分 (附录30和附录30A第4条的A部分或B部分)	Special Section's Part (Part A or Part B of Article 4 of Appendices 30 and 30A). Часть Специальной секции (Часть А или Часть В Статьи 4 Приложений 30 и 30A).	Parte de la Sección Especial (Parte A o Parte B del Artículo 4 de los Apéndices 30 y 30A). جزء القسم الخاص (الجزء A أو الجزء B من المادة 4 من التذييلين 30 و30A).
	A11	Partie de la Circulaire hebdomadaire/BR IFIC. 周报/BR IFIC的部分。	WIC/BR IFIC Part. Часть Еженедельного циркуляра/BR IFIC.	Parte de la Circular Semanal/BR IFIC. جزء النشرة الأسبوعية/BR IFIC.

<p>7. PROVISION:</p> <ul style="list-style-type: none"> • <i>Article 6 Section I / IA / IB:</i> renseignements reçus ou publiés en application de la Section I ou IA de l'Article 6 de l'Appendice 30B (avant CMR-07). <p>第6条第I / IA / IB节: 应用附录30B第6条第I或IA节收到或公布的资料 (在 WRC-07之前)。</p> <ul style="list-style-type: none"> • <i>Article 6 Section II:</i> renseignements reçus ou publiés en application de la Section II de l'Article 6 de l'Appendice 30B (avant CMR-07). <p>第6条第II节: 应用附录30B第6条第II节收到或公布的资料 (在 WRC-07之前)。</p> <ul style="list-style-type: none"> • <i>Article 6 Section III:</i> renseignements reçus ou publiés en application de la Section III de l'Article 6 de l'Appendice 30B (avant CMR-07). <p>第6条第III节: 应用附录30B第6条第III节收到或公布的资料 (在 WRC-07之前)。</p> <ul style="list-style-type: none"> • <i>Article 7:</i> renseignements reçus ou publiés en application de l'Article 7 de l'Appendice 30B (avant CMR-07). <p>第7条: 应用附录30B第7条收到或公布的资料 (在 WRC-07之前)。</p> <ul style="list-style-type: none"> • <i>AP30B#6.1A:</i> renseignements reçus ou publiés en application de l'Article 6 de l'Appendice 30B (CMR-07) pour introduire un système additionnel. <p>附录30B#6.1A: 应用附录30B (WRC-07) 第6条收到或公布的资料, 以引入一个附加系统。</p> <ul style="list-style-type: none"> • <i>AP30B#6.1C:</i> renseignements reçus ou publiés en application de l'Article 6 de l'Appendice 30B (CMR-07) pour convertir un allotissement. <p>附录30B#6.1C: 应用附录30B (WRC-07) 第6条收到或公布的资料, 以转换一个分配。</p>	<p>7. PROVISION:</p> <ul style="list-style-type: none"> • <i>Article 6 Section I / IA / IB:</i> information received or published in application of Section I or IA of Article 6 of Appendix 30B (before WRC07). <p><i>Разделы I/IA/IB Статьи 6:</i> информация, полученная или опубликованная при применении Разделов I или IA Статьи 6 Приложения 30B (до ВКР-07).</p> <ul style="list-style-type: none"> • <i>Article 6 Section II:</i> information received or published in application of Section II of Article 6 of Appendix 30B (before WRC07). <p><i>Раздел II Статьи 6:</i> информация, полученная или опубликованная при применении Раздела II Статьи 6 Приложения 30B (до ВКР-07).</p> <ul style="list-style-type: none"> • <i>Article 6 Section III:</i> information received or published in application of Section III of Article 6 of Appendix 30B (before WRC07). <p><i>Раздел III Статьи 6:</i> информация, полученная или опубликованная при применении Раздела III Статьи 6 Приложения 30B (до ВКР-07).</p> <ul style="list-style-type: none"> • <i>Article 7:</i> information received or published in application of Article 7 of Appendix 30B (before WRC07). <p><i>Статья 7:</i> информация, полученная или опубликованная при применении Статьи 7 Приложения 30B (до ВКР-07).</p> <ul style="list-style-type: none"> • <i>AP30B#6.1A:</i> information received or published in application of Article 6 of Appendix 30B (WRC07) to introduce an additional system. <p><i>ПР30В#6.1А:</i> информация, полученная или опубликованная при применении Статьи 6 Приложения 30B (ВКР-07), для введения дополнительной системы.</p> <ul style="list-style-type: none"> • <i>AP30B#6.1C:</i> information received or published in application of Article 6 of Appendix 30B (WRC07) to convert an allotment. <p><i>ПР30В#6.1С:</i> информация, полученная или опубликованная при применении Статьи 6</p>	<p>7. PROVISIÓN:</p> <ul style="list-style-type: none"> • <i>Artículo 6 Sección I / IA / IB:</i> información recibida o publicada en aplicación de la Sección I o IA del Artículo 6 del Apéndice 30B (antes de CMR-07). <p>المادة 6 القسم I / IA / IB: معلومات مستلمة أو منشورة تطبيقاً للقسم I أو IA من المادة 6 من التذييل 30B (قبل المؤتمر WRC-07).</p> <ul style="list-style-type: none"> • <i>Artículo 6 Sección II:</i> información recibida en aplicación de la Sección II del Artículo 6 del Apéndice 30B (antes de CMR-07). <p>المادة 6 القسم II: معلومات مستلمة أو منشورة تطبيقاً للقسم II من المادة 6 من التذييل 30B (قبل المؤتمر WRC-07).</p> <ul style="list-style-type: none"> • <i>Artículo 6 Sección III:</i> información recibida en aplicación de la Sección III del Artículo 6 del Apéndice 30B (antes de CMR-07). <p>المادة 6 القسم III: معلومات مستلمة أو منشورة تطبيقاً للقسم III من المادة 6 من التذييل 30B (قبل المؤتمر WRC-07).</p> <ul style="list-style-type: none"> • <i>Artículo 7:</i> información recibida en aplicación del Artículo 7 del Apéndice 30B (antes de CMR-07). <p>المادة 7: معلومات مستلمة أو منشورة تطبيقاً للمادة 7 من التذييل 30B (قبل المؤتمر WRC-07).</p> <ul style="list-style-type: none"> • <i>AP30B#6.1A:</i> información recibida en aplicación del Artículo 6 del Apéndice 30B (CMR-07) para introducir un sistema adicional. <p>التذييل 30B الفقرة 1A.6: معلومات مستلمة أو منشورة تطبيقاً للمادة 6 من التذييل 30B (WRC-07) من أجل إدخال نظام إضافي.</p> <ul style="list-style-type: none"> • <i>AP30B#6.1C:</i> información recibida en aplicación del Artículo 6 del Apéndice 30B (CMR-07) para convertir una adjudicación. <p>التذييل 30B الفقرة 1C.6: معلومات مستلمة أو منشورة تطبيقاً للمادة 6</p>
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<ul style="list-style-type: none"> • <i>AP30B#6.1M</i>: renseignements reçus ou publiés en application de l'Article 6 de l'Appendice 30B (CMR-07) pour modifier les caractéristiques d'assignations figurant dans la Liste. 附录30B#6.1M: 应用附录30B (WRC-07) 第6条收到或公布资料, 以修改清单中指定的特性。 • <i>AP30B#6.1T</i>: renseignements reçus ou publiés en application de l'Article 7 de l'Appendice 30B (CMR-07) et publiés en application de l'Article 6 de l'Appendice 30B. 附录30B#6.1T: 应用附录30B (WRC-07) 第7条收到或公布资料并应用附录30B (WRC-07) 第6条予以公布。 • <i>AP30B#7.2</i>: renseignements reçus ou publiés en application de l'Article 7 de l'Appendice 30B (CMR-07). 附录30B#7.2: 应用附录30B (WRC-07) 第7条收到或公布资料。 	<p>Приложения 30B (ВКР-07), для преобразования выделения.</p> <ul style="list-style-type: none"> • <i>AP30B#6.1M</i>: information received or published in application of Article 6 of Appendix 30B (WRC07) to modify the characteristics of assignments in the List. <i>ПР30В#6.1М</i>: информация, полученная или опубликованная при применении Статьи 6 Приложения 30B (ВКР-07), для изменения характеристик присвоенный в Списке. • <i>AP30B#6.1T</i>: information received or published in application of Article 7 of Appendix 30B (WRC07) and published in application of Article 6 of Appendix 30B. <i>ПР30В#6.1Т</i>: информация, полученная или опубликованная при применении Статьи 7 Приложения 30B (ВКР-07) и опубликованная при применении Статьи 6 Приложения 30B. • <i>AP30B#7.2</i>: information received or published in application of Article 7 of Appendix 30B (WRC07). <i>ПР30В#7.2</i>: информация, полученная или опубликованная при применении Статьи 7 Приложения 30B (ВКР-07). 	<p>من التذييل 30B (WRC-07) من أجل تحويل تعيين.</p> <ul style="list-style-type: none"> • <i>AP30B#6.1M</i>: información recibida en aplicación del Artículo 6 del Apéndice 30B (CMR-07) para modificar las características de las asignaciones de la Lista. التذييل 30B الفقرة 6.1M: معلومات مستلمة أو منشورة تطبيقاً للمادة 6 من التذييل 30B (WRC-07) من أجل تعديل خصائص التخصيصات الواردة في القائمة. • <i>AP30B#6.1T</i>: información recibida en aplicación del Artículo 7 del Apéndice 30B (CMR-07) y publicada en aplicación del Artículo 6 del Apéndice 30B. التذييل 30B الفقرة 6.1T: معلومات مستلمة أو منشورة تطبيقاً للمادة 7 من التذييل 30B (WRC-07) ومنشورة تطبيقاً للمادة 6 من التذييل 30B. • <i>AP30B#7.2</i>: información recibida en aplicación del Artículo 7 del Apéndice 30B (CMR-07). التذييل 30B الفقرة 2.7: معلومات مستلمة أو منشورة تطبيقاً للمادة 7 من التذييل 30B (WRC-07).
<p>REGION</p> <p>1&3 : UIT Région 1 et/ou 3. 1&3 : 国际电联的1区和/或3区。 2 : UIT Région 2. 2 : 国际电联的2区。</p>	<p>1&3 : ITU Region 1 and/or 3. 1&3 : Район 1 и/или 3 МСЭ. 2 : ITU Region 2. 2 : Район 2 МСЭ.</p>	<p>1&3 : UIT Región 1 y/o 3. الإقليم 1 و/أو 3 من أقاليم الاتحاد. 2 : UIT Región 2. الإقليم 2 من أقاليم الاتحاد.</p>

SAT_NAME:	Identité du réseau à satellite. 卫星网络的识别符。	Identity of the satellite network. Идентификатор спутниковой сети.	Identidad de la red de satélite. هوية الشبكة الساتلية.
STN_NAME:	Identité de la station terrienne. 地球站的识别符。	Identity of the Earth station. Идентификатор земной станции.	Identidad de la estación terrena. هوية المحطة الأرضية.
WIC_NO:	Numéro de la Circulaire contenant les renseignements. 含有资料的通函编号。	Number of the Circular containing the information. Номер Циркуляра, содержащего сведения.	Número de la Circular conteniendo las informaciones. رقم النشرة التي تحتوي على المعلومات.
WIC_NO_1A:	Numéro de la Circulaire dans laquelle la liste des assignations a été publiée dans la Partie I-S. 指配清单公布在I-S部分的那期通函编号。	Number of the Circular in which the list of assignments was published in Part I-S. Номер Циркуляра, в котором в Части I-S был опубликован список присвоений.	Número de la Circular cuya Parte I-S contenía la lista de asignaciones. رقم النشرة التي تم فيها نشر قائمة التخصيصات في الجزء I-S.



SECTION A1

**LISTE DES RESEAUX SPATIAUX
GEOSTATIONNAIRES POUR LESQUELS DES
RENSEIGNEMENTS ONT ETE COMMUNIQUEES EN
APPLICATION DES DISPOSITIONS DE L'ARTICLE 9
ET/OU DE L'ARTICLE 11 DU REGLEMENT DES
RADIOCOMMUNICATIONS**

A1 节

根据《无线电规则》第9条和/或第11条的规定，已通报了相关信息的对地静止空间网络的清单

SECTION A1

**LIST OF GEOSTATIONARY SPACE NETWORKS
FOR WHICH INFORMATION HAS BEEN
COMMUNICATED IN APPLICATION OF THE
PROVISIONS OF ARTICLE 9 AND/OR ARTICLE 11
OF THE RADIO REGULATIONS**

РАЗДЕЛ А1

**СПИСОК ГЕОСТАЦИОНАРНЫХ КОСМИЧЕСКИХ
СЕТЕЙ, СВЕДЕНИЯ ПО КОТОРЫМ БЫЛИ
СООБЩЕНЫ В ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ
СТАТЬИ 9 И/ИЛИ СТАТЬИ 11 РЕГЛАМЕНТА
РАДИОСВЯЗИ**

SECCIÓN A1

**LISTA DE REDES ESPACIALES
GEOESTACIONARIAS SOBRE LAS CUALES SE HA
COMUNICADO INFORMACIÓN EN APLICACIÓN DE
LAS DISPOSICIONES DEL ARTÍCULO 9 Y/O DEL
ARTÍCULO 11 DEL REGLAMENTO DE
RADIOCOMUNICACIONES**

القسم A1

قائمة الشبكات الفضائية المستقرة بالنسبة إلى الأرض التي تم إرسال معلومات خاصة بها تطبيقاً لأحكام المادة 9 و/أو المادة 11 من لوائح الراديو.

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-	
-178.50	CAN		CANSAT-71	C																															
-178.00	CHN		CHNNEWSAT-G1-178W	C																															
-177.00	USA		FLTSATCOM-C W PAC-2	N																															
-177.00	HOL		INTELSAT IBS 183E	N																															
-177.00	HOL		INTELSAT5 183E	N																															
-177.00	HOL		INTELSAT5A 183E	N																															
-177.00	HOL		INTELSAT7 183E	N																															
-177.00	HOL		INTELSAT8 183E	N																															
-177.00	USA		IRIS-8A	C																															
-177.00	USA		IRIS-8A	N																															
-177.00	HOL		NSS-19	N																															
-177.00	HOL		NSS-G2-1	N																															
-177.00	HOL		NSS-G4-1	C																															
-177.00	HOL		NSS-G5-5	C																															
-177.00	HOL		NSS-G9-177W	C																															
-177.00	RUS		YAMAL-183E	C																															
-175.00	G		INMARSAT-6-175W	C																															
-175.00	NOR		SE-6-175W	C																															
-174.50	CYP		KYPROS-ARTEMIS-3	C																															
-174.00	RUS		ENSAT-KA-174W	C																															
-174.00	USA		TDRS 174W	A																															
-174.00	USA		TDRS 174W	N																															
-173.00	J		N-SAT-Y12-173W	C																															
-173.00	J		N-SAT-Y18-173W	C																															
-171.00	USA		TDRS WEST	A																															
-171.00	USA		TDRS WEST	N																															
-170.00	RUS		GALS-4	N																															
-170.00	RUS		STATSIONAR-10	N																															
-170.00	RUS		STATSIONAR-10A	N																															
-170.00	RUS		TOR-5	N																															
-170.00	RUS		TOR-5M	N																															
-170.00	RUS		VOLNA-7	N																															
-169.50	HOL		NSS-G5-1	C																															
-168.00	RUS		FOTON-3	N																															
-168.00	RUS		POTOK-3	N																															
-167.50	USA		TDRS 167.5W	A																															
-167.50	USA		TDRS 167.5W	N																															
-167.00	G		GANTS-3	C																															
-166.20	NCG		NICASAT-2A	C																															
-165.00	F		F-SAT-N6-165W	C																															
-165.00	USA		USGON-4	N																															
-165.00	USA		USOBO-13B	C																															
-164.20	USA		TDRS 164.2W	A																															
-161.00	CYP		KYPROS-OKEANOS-3	C																															

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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-			
-160.00	RUS		ESDRN	N																																	
-160.00	RUS		ESDRN-M	A																																	
-159.40	USA		USOBO-1A	C																																	
-159.00	G		INMARSAT-6-159W	C																																	
-159.00	RUS		PROGNOZ-7	N																																	
-157.00	HOL		NSS-G4-2	C																																	
-157.00	HOL		NSS-G8 157W	C																																	
-156.00	F		F-SAT-N4-156W	C																																	
-155.00	USA		USGAE-18A	C																																	
-154.00	G		AURORA-IV-154W	C																																	
-152.00	F		F-SAT-N4-152W	C																																	
-150.00	USA		USGAE-10R	N																																	
-149.00	CYP		KYPROS-149W	C																																	
-148.00	G		INMARSAT-6-148W	C																																	
-148.00	NOR		SE-KA-148W	C																																	
-147.00	G		INMARSAT-6-147W	C																																	
-147.00	NOR		SE-6-147W	C																																	
-146.00	F		F-SAT-N4-146W	C																																	
-146.00	F		F-SAT-N6-146W	C																																	
-145.00	USA		FLTSATCOM-C W PAC-3	N																																	
-145.00	USA		IRIS-9B	C																																	
-145.00	NOR		SE-KA-145W	C																																	
-145.00	USA		USGON-7	N																																	
-145.00	USA		USOBO-14B	C																																	
-144.00	USA		P-197-2	N																																	
-144.00	USA		P92-6	N																																	
-144.00	USA		P92-6A	A																																	
-144.00	USA		P92-6A	C																																	
-144.00	USA		USCSID-W2	N																																	
-144.00	USA		USLL-PAC	N																																	
-144.00	USA		USTRO-2	N																																	
-143.00	J		N-SAT-Y18-143W	C																																	
-142.00	G		INMARSAT-6-142W	C																																	
-142.00	NOR		SE-6-142W	C																																	
-141.00	USA		P-197-3	N																																	
-141.00	USA		P92-5	N																																	
-141.00	USA		P92-5A	A																																	
-141.00	USA		P92-5A	C																																	
-141.00	USA		USCSID-W1	N																																	
-141.00	USA		USLL-PAC2	N																																	
-141.00	USA		USTRO-3	N																																	
-139.00	F		F-SAT-N4-139W	C																																	
-139.00	F		F-SAT-N6-139W	C																																	
-139.00	HOL		NSS-G8 139W	C																																	

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-137.00	D		ODYSSEY-137W	C																																
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-113.00	G		GIBSAT-G12-1	C																															
-113.00	RUS	IK	INTERSPUTNIK-113W	C																															

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-97.00	USA		USASAT-35K	N																																
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-95.00	USA		USASAT-60U	C																																
-95.00	USA		USASAT-700	N																																
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-94.00	F		F-SAT-N6-94W	C																																
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-92.00	B		B-SAT-2F	N																																
-92.00	PNG		PACIFISAT-92W	C																																
-92.00	B		SBTS B4	N																																
-91.50	ARG		ARSAT-F	C																																
-91.10	CAN		CAN-BSS2 TTAC	N																																
-91.00	CAN		CAN-BSS31	N																																
-91.00	CAN		CAN-BSS64	C																																
-91.00	CAN		CANSAT (91W)-KAV2	C																																
-91.00	CAN		CANSAT-70	C																																
-91.00	MLA		MEASAT-ROUTE-4C	C																																
-91.00	D		ODYSSEY-91W	C																																
-91.00	G		UKSAT-33	C																																
-91.00	USA		USASAT-24K	N																																
-91.00	USA		USASAT-35N	N																																
-91.00	USA		USASAT-60E	N																																
-91.00	USA		USASAT-9A	N																																
-90.00	F		F-SAT-N3-90W	C																																
-90.00	F		F-SAT-N5-90W	C																																
-90.00	G		IOMSAT_90W	C																																
-90.00	USA		MILSTAR 1	N																																
-90.00	USA		USGAE-1	N																																
-89.50	USA		GOES-4-89.5W	C																																
-89.00	B		B-SAT-89W	C																																
-89.00	HOL		PESSE-89W	C																																
-89.00	G		UK-KA-8	C																																
-89.00	G		UK-KA-8R	C																																
-89.00	G		UK-KA-8R-VB	C																																
-89.00	USA		USASAT-24E	N																																
-89.00	USA		USASAT-31S	N																																
-89.00	USA		USASAT-35O	N																																
-88.00	PNG		PACIFISAT-88W	C																																

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-87.00	SUI		INMARSAT-7-87W	C																																	
-87.00	RUS	IK	INTERSPUTNIK-87W	C																																	
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-87.00	LUX		LUX-G7-43	C																																	
-87.00	I		NEWSAT-1L-87W	C																																	
-87.00	PNG		RAGGIANA-34	C																																	
-87.00	USA		USASAT-24T	N																																	
-87.00	USA		USASAT-35P	N																																	
-86.50	CAN		CAN-BSS61	C																																	
-86.50	CAN		CAN-BSS9	N																																	
-86.50	HOL		NSS-G4-9	C																																	
-86.15	USA		USASAT-28O	C																																	
-86.00	F		F-SAT-N3-86W	C																																	
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-85.00	HOL		NSS-G4-10	C																																	
-85.00	USA		USASAT-24U	N																																	
-85.00	USA		USASAT-31U	N																																	
-85.00	USA		USASAT-35Q	N																																	
-85.00	USA		USASAT-9C	N																																	
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-84.40	NCG		NICASAT-1L	C																																	
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-84.00	B		B-SAT-1N-1	C																																	
-84.00	B		B-SAT-2N	C																																	
-84.00	B		B-SAT-2N	N																																	
-84.00	B		B-SAT-2N-1	C																																	
-83.50	CYP		KYPROS-83.5W	C																																	
-83.00	LUX		LUX-G8-44	C																																	
-83.00	HOL		NSS-G7-83W	C																																	
-83.00	USA		USASAT-24V	N																																	
-83.00	USA		USASAT-35R	N																																	
-82.00	CAN		CAN-BSS1 TTAC	N																																	
-82.00	CAN		CANSAT (82W) - KA	C																																	
-82.00	CAN		CANSAT-31	N																																	
-82.00	CAN		CANSAT-66	C																																	
-81.00	ARG		ARSAT-D	C																																	
-81.00	ARG		ARSAT-M	C																																	
-81.00	F		F-SAT-N4-81W	C																																	

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-81.00	UAE		MADAR-81W	C																																	
-81.00	UAE		MADAR-81W-2	C																																	
-81.00	ARG		P-P-SAT-1	N																																	
-80.00	B		B-SAT-80W	C																																	
-80.00	F		F-SAT-N4-80W	C																																	
-80.00	PNG		RAGGIANA-33	C																																	
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-79.50	CHN		CHNNEWSAT-G1-79.5W	C																																	
-79.00	E		HISPASAT-19A	C																																	
-79.00	E		HISPASAT-41A	C																																	
-79.00	E		HISPASAT-75A	C																																	
-79.00	E		HISPASAT-9A	C																																	
-79.00	HOL		PESSE-79W	C																																	
-79.00	USA		TDRS CENTRAL	N																																	
-79.00	USA		TDRS-C2	A																																	
-79.00	G		UK-KA-7	C																																	
-79.00	G		UK-KA-7R	C																																	
-79.00	G		UK-KA-7R-VB	C																																	
-79.00	USA		USABSN-25	C																																	
-79.00	USA		USASAT-24W	N																																	
-79.00	USA		USASAT-35T	N																																	
-79.00	USA		USASAT-55W	C																																	
-78.00	B		B-SAT-78W	C																																	
-78.00	URG		VENESAT-1	N																																	
-77.50	I		NEWSAT-1I-77.5W	C																																	
-77.30	USA		USASAT-71M	C																																	
-77.20	CHN		ITS-AR-77.2W	C																																	
-77.00	F		F-SAT-N4-77W	C																																	
-77.00	E		HISPASAT-33A	C																																	
-77.00	E		HISPASAT-52A	C																																	
-77.00	E		HISPASAT-87A	C																																	
-77.00	SUI		INMARSAT-7-77W	C																																	
-77.00	HOL		NSS-G7 77W	C																																	
-77.00	MEX		QUETZSAT-77 TTC	N																																	
-77.00	USA		USASAT-24Q	N																																	
-76.00	G		UKSAT-KU-4	N																																	
-76.00	USA		USASAT-55Y	C																																	
-75.50	MLA		MEASAT-ROUTE-3C	C																																	
-75.00	B		B-SAT-1S	N																																	
-75.00	B		B-SAT-1S-1	C																																	
-75.00	B		B-SAT-S	N																																	
-75.00	USA		GOES EAST	N																																	
-75.00	USA		GOES-EAST-1	N																																	
-75.00	USA		GOES-EAST-2	N																																	

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-75.00	USA		GOES-EAST-4	N																																
-75.00	B		SISCOMIS-4	N																																
-75.00	B		SISCOMIS-4A	C																																
-75.00	B		SISCOMIS-4A	N																																
-74.75	F		F-SAT-N4-74.75W	C																																
-74.00	E		HISPASAT-14A	C																																
-74.00	E		HISPASAT-31A	C																																
-74.00	E		HISPASAT-50A	C																																
-74.00	E		HISPASAT-86A	C																																
-73.00	UAE		EMARSAT-11X	C																																
-73.00	UAE		EMARSAT-9X	C																																
-73.00	UAE		MADAR-73W	C																																
-72.50	B		B-SAT-72.5W	C																																
-72.50	CLM		CONDOR	C																																
-72.50	G		GIBSAT-72.5W	C																																
-72.50	G		IOMSAT-KA-1R	C																																
-72.10	HOL		PESSE-72W	C																																
-72.00	ARG		ARSAT-G	C																																
-72.00	F		F-SAT-N4-72W	C																																
-72.00	F		F-SAT-N6-72W	C																																
-72.00	G		GIBSAT-72W	C																																
-72.00	G		GIBSAT-G14-1	C																																
-72.00	SUI		INMARSAT-7-72W	C																																
-72.00	ARG		NAHUEL-C	N																																
-72.00	HOL		NSS-G6-10	C																																
-72.00	NOR		SE-KA-72W	C																																
-72.00	USA		USASAT-35W	N																																
-70.90	CLM		COLSAT-1A-70.9W	C																																
-70.90	CLM		SATCOL 1B	C																																
-70.50	CHN		CHNNEWSAT-G1-70.5W	C																																
-70.50	UAE		EMARSAT-9W	C																																
-70.00	B		B-SAT-1C	N																																
-70.00	B		B-SAT-1C-1	C																																
-70.00	B		B-SAT-1C-2	C																																
-70.00	UAE		MADAR-70W	C																																
-70.00	HOL		PESSE-70W	C																																
-70.00	B		SBTS B1	N																																
-70.00	B		SBTS C1	N																																
-70.00	B		SISCOMIS-3	N																																
-70.00	B		SISCOMIS-3A	C																																
-70.00	B		SISCOMIS-3A	N																																
-70.00	G		UK-KA-1	C																																
-70.00	G		UK-KA-1A	C																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88				
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-70.00	G		UK-KA-1R	C																																		
-69.90	G		UK-V-70W	C																																		
-69.45	F		F-SAT-N6-69.45W	C																																		
-68.00	B		B-SAT-1J	N																																		
-68.00	B		B-SAT-2J	C																																		
-68.00	B		B-SAT-2J	N																																		
-68.00	USA		MILSTAR 8	N																																		
-68.00	I		NEWSAT-1H-68W	C																																		
-68.00	USA		USGAE-7M	N																																		
-67.50	E		HISPASAT-17A	C																																		
-67.50	HOL		NSS-83A	N																																		
-67.00	LUX		LUX-G11-49	C																																		
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-67.00	LUX		LUX-G9-49	C																																		
-67.00	CLM	ASA	SIMON BOLIVAR 2	N																																		
-66.25	CYP		KYPROS-66.25W	C																																		
-65.00	B		B-SAT-1R	N																																		
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-65.00	B		B-SAT-2R	C																																		
-65.00	B		B-SAT-R	N																																		
-65.00	F		F-SAT-N4-65W	C																																		
-65.00	PNG		RAGGIANA-2	C																																		
-65.00	PNG		RAGGIANA-2	N																																		
-65.00	B		SBTS B2	N																																		
-65.00	B		SISCOMIS-2	N																																		
-65.00	B		SISCOMIS-2A	C																																		
-65.00	B		SISCOMIS-2A	N																																		
-65.00	USA		USNN-1	C																																		
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-63.20	CHN		ITS-AR-63.2W	C																																		
-63.00	B		B-SAT E	N																																		
-63.00	B		B-SAT I	N																																		
-63.00	B		B-SAT-1I	C																																		
-63.00	B		B-SAT-1I-1	C																																		
-63.00	G		IOMSAT-KA-63W	N																																		
-63.00	G		IOMSAT-KA-63W-R	C																																		
-62.00	USA		TDRS 62W	A																																		
-62.00	USA		TDRS 62W	N																																		
-61.50	E		HISPASAT-39A	C																																		
-61.50	USA		USABSS-17	N																																		
-61.50	USA		USABSS-8	N																																		
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-61.00	E		HISPASAT-73A	C																																
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-61.00	G		UKDRS-A10	C																																
-61.00	G		UKDSAT-A1	C																																
-61.00	G		UKDSAT-K	C																																
-61.00	USA		USMB-1	N																																
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-60.00	USA		GOES-2-60W	C																																
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-59.00	E		SECOMSAT-59W	C																																
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-58.50	E		HISPASAT-32A	C																																
-58.50	E		HISPASAT-51A	C																																
-58.50	E		HISPASAT-85A	C																																
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-58.00	USA		USASAT-55S	C																																
-58.00	USA		USASAT-55S	N																																
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-57.00	F		F-SAT-N4-57W	C																																
-57.00	G		INMARSAT-6-57W	C																																
-57.00	UAE		MADAR-57W	C																																
-57.00	UAE		MADAR-57W-2	C																																
-57.00	NOR		SE-6-57W	C																																
-57.00	B		SISCOMIS-9	C																																
-56.50	F		F-SAT-N4-56.5W	C																																
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-55.50	USA		INTELSAT8 304.5E	N																																
-55.50	USA		INTELSAT9 304.5E	N																																
-55.50	USA		USASAT-55U	C																																
-55.20	F		F-SAT-N3-55.2W	C																																
-55.00	G		INMARSAT-KA 55W	C																																
-55.00	G		INMARSAT-KA 55W	N																																
-55.00	NOR		SE-KA-55W	C																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
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-54.00	G		INMARSAT-3 AOR WEST2	N																															
-54.00	G		INMARSAT-6-54W	C																															
-54.00	NOR		SE-6-54W	C																															
-53.00	B		B-SAT-53W	C																															
-53.00	USA		INTELSAT IBS 307E	N																															
-53.00	USA		INTELSAT7 307E	N																															
-53.00	USA		INTELSAT8 307E	N																															
-53.00	USA		INTELSAT9 307E	N																															
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-53.00	USA		USASAT-55T	C																															
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-52.50	E		HISPASAT-27A	C																															
-52.50	E		HISPASAT-46A	C																															
-52.50	E		HISPASAT-79A	C																															
-52.50	USA		USGCSS PH3B W ATL	N																															
-52.50	USA		USGOVSAT-6R	N																															
-52.40	F		AST-ERIX-52.4W	C																															
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-50.00	USA		INTELSAT7 310E	N																															
-50.00	USA		INTELSAT9 310E	N																															
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-50.00	UAE		MADAR-50W-2	C																															
-50.00	PNG		NEW DAWN 25	C																															
-50.00	PNG		NEW DAWN 35	C																															
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-50.00	USA		USASAT-550-1	C																															
-50.00	USA		USASAT-80A	C																															
-49.40	USA		USOBO-3	N																															
-49.40	USA		USOBO-3B	C																															
-49.00	USA		TDRS 49W	A																															
-49.00	USA		TDRS 49W-R	A																															
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-49.00	USA		TDRS 49W-R	N																															
-48.00	B		B-SAT-1W	N																															
-48.00	B		B-SAT-1W-1	C																															
-48.00	CHN		CHNNEWSAT-G1-48W	C																															
-48.00	I		NEWSAT-1G-48W	C																															
-48.00	B		SISCOMIS-8A	C																															
-47.50	B		B-SAT-1W-2	C																															
-47.50	CYP		KYPROS-47.5W	C																															

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-47.50	HOL		NSS-G3-8	N																																	
-47.00	G		GIBSAT-8B	N																																	
-47.00	E		SECOMSAT-5-47W	C																																	
-47.00	E		SECOMSAT-B1-R_47W	C																																	
-46.00	USA		TDRS 46W	A																																	
-46.00	USA		TDRS 46W	N																																	
-45.00	B		B-SAT-1A-1	C																																	
-45.00	B		B-SAT-1A-2	C																																	
-45.00	B		B-SAT-1A-3	C																																	
-45.00	G		GANTS-2	C																																	
-45.00	UAE		MADAR-45W	C																																	
-45.00	USA		USASAT-13I	N																																	
-45.00	USA		USASAT-25D	N																																	
-45.00	USA		USASAT-60I	N																																	
-45.00	USA		USASAT-60T	C																																	
-44.90	B		B-SAT-3A-2 TT&C	N																																	
-44.50	CHN		CHNNEWSAT-G1-44.5W	C																																	
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-43.00	UAE		MADAR-43W-2	C																																	
-43.00	USA		USASAT-25C	N																																	
-43.00	USA		USASAT-26C	N																																	
-43.00	USA		USASAT-50D	N																																	
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-43.00	USA		USASAT-55F	N																																	
-43.00	USA		USASAT-60S	C																																	
-43.00	UAE		YAHSAT-G5-43W	C																																	
-43.00	UAE		YAHSAT-G5-43W	N																																	
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-42.50	USA		USGCSS PH3B MID-ATL	N																																	
-42.50	USA		USGOVSAT-7A	C																																	
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-41.00	CYP		KYPROS-41W-2	C																																	
-41.00	S		SMMSAT-2X	C																																	
-41.00	USA		TDRS EAST	A																																	
-41.00	USA		TDRS EAST	N																																	
-41.00	USA		TDRS-EAST-ISS	N																																	
-41.00	G		UKDRS-A9	C																																	
-41.00	G		UKDSAT-A	C																																	
-41.00	G		UKMMSAT-A	C																																	
-41.00	G		UKMMSAT-A2-TTC-C	C																																	
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-40.50	HOL		INTELSAT IBS 319.5E	N																																	

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-40.50	HOL		INTELSAT5A 319.5E	N																																		
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-40.50	HOL		INTELSAT8 319.5E	N																																		
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-40.50	HOL		NSS-18	N																																		
-40.50	HOL		NSS-35	N																																		
-40.50	HOL		NSS-57	N																																		
-40.50	HOL		NSS-G5-13	C																																		
-39.50	ISR		AMS-A11-39.5W	C																																		
-39.00	G		DJCF-2A	N																																		
-39.00	F		F-SAT-N3-39W	C																																		
-39.00	F		F-SAT-N5-39W	C																																		
-39.00	E		HISPASAT-56A	C																																		
-39.00	PNG		PACIFISAT-39W	C																																		
-39.00	USA		USGAE-17R	N																																		
-38.50	ARG		ARSAT-H	C																																		
-38.00	I		NEWSAT-1F-38W	C																																		
-38.00	USA		USGON-5	N																																		
-38.00	USA		USOBO-15B	C																																		
-37.50	LUX		LUX-G10-53	C																																		
-37.50	USA		USASAT-25A	N																																		
-37.50	USA		USASAT-25A-1	N																																		
-37.50	USA		USASAT-26A	C																																		
-37.50	USA		USASAT-26A	N																																		
-37.00	D		GENESIS-13	C																																		
-36.00	F		F-SAT-N3-36W	C																																		
-36.00	F		F-SAT-N5-36W	C																																		
-36.00	E		HISPASAT 2A 36W	N																																		
-36.00	E		HISPASAT-16A	C																																		
-36.00	E		HISPASAT-36A	C																																		
-36.00	E		HISPASAT-44A	C																																		
-36.00	E		HISPASAT-7A	C																																		
-36.00	KOR		KTSAT-36W	C																																		
-34.80	BOL		TKSAT-2	C																																		
-34.50	USA		INTELSAT6 325.5E	N																																		
-34.50	USA		INTELSAT7 325.5E	N																																		
-34.50	USA		INTELSAT8 325.5E	N																																		
-34.50	USA		INTELSAT9 325.5E	N																																		
-34.50	G		UKNETSAT-34.5W	C																																		
-34.50	USA		USASAT-60W	C																																		
-34.00	F		F-SAT-N4-34W	C																																		
-34.00	G		SKYNET-34W-KQ	C																																		

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-34.00	G		SKYNET-4D	N																																	
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-34.00	G		SKYNET-5A	N																																	
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-33.50	S		SMMSAT-2R	C																																	
-33.50	S		SMMSAT-3X	C																																	
-33.50	G		UKDIGISAT-3	N																																	
-33.50	G		UKDIGISAT-4A TT&C	N																																	
-33.50	G		UKDRS-A8	C																																	
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-33.50	G		UKMMSAT-A2	C																																	
-33.50	G		UKMMSAT-A2	N																																	
-33.50	G		UKMMSAT-A3	C																																	
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-33.00	ISR		AMS-A8-33W	C																																	
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-31.50	USA		INTELSAT9 328.5E	N																																	
-31.50	USA		USASAT-60P	C																																	
-31.50	USA		USASAT-60P	N																																	
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-31.50	USA		USGAE-15A	C																																	
-30.40	USA		P-197-6	C																																	
-30.40	USA		P-197-6	N																																	
-30.40	USA		P92-7	N																																	
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-30.40	USA		USLL-ATL3	C																																	
-30.40	USA		USLL-ATL3	N																																	
-30.00	E		HISPASAT-1	N																																	
-30.00	E		HISPASAT-10A	C																																	
-30.00	E		HISPASAT-1D KU	N																																	
-30.00	E		HISPASAT-20A	C																																	
-30.00	E		HISPASAT-2A KU	N																																	
-30.00	E		HISPASAT-2A X	N																																	
-30.00	E		HISPASAT-2AKA	N																																	
-30.00	E		HISPASAT-2B 30KA	N																																	

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-28.00	G		IOMSAT-G1-1	C																																	
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-28.00	UAE		MADAR-28W-2	C																																	
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-27.50	USA		INTELSAT9 332.5E	N																																	
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-26.00	ISR		AMS-A3-26W	C																																	
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-26.00	E		HISPASAT-47A	C																																	
-26.00	E		HISPASAT-6A	C																																	
-26.00	E		HISPASAT-80A	C																																	
-26.00	RUS	IK	INTERSPUTNIK-26W-1	C																																	
-26.00	J		N-SAT-Y13-26W	C																																	

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-25.00	RUS		GALS-9	N																																
-25.00	RUS		STATSIONAR-8	N																																
-25.00	RUS		TOR-9M	N																																
-25.00	RUS		VOLNA-1A	N																																
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-24.80	ALG		ALGSAT-24.8W	C																																
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-24.50	USA		INTELSAT7 335.5E	N																																
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-24.50	USA		INTELSAT9 335.5E	N																																
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-23.00	TUR		TURKSAT-23W-A	C																																
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-22.50	USA		IRIS-3B	C																																
-22.50	USA		KASATCOM-2	N																																
-22.00	ETH		AFBS-1	C																																
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-22.00	HOL		NSS-G4-17	C																																
-22.00	HOL		NSS-G6-14	C																																
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-21.50	HOL		INTELSAT7 338.5E	N																																
-21.50	HOL		INTELSAT8 338.5E	N																																
-21.20	USA		USOBO-4B	C																																
-21.00	ISR		AMS-A2-21W	C																																
-21.00	F		F-SAT-N4-21W	C																																
-20.20	BEL		SATCOM-4/20.2W	N																																
-20.00	B		B-SAT-1Z	C																																
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-20.00	USA		INTELSAT7 340E	N																																
-20.00	USA		INTELSAT8 340E	N																																
-20.00	USA		INTELSAT9 340E	N																																
-20.00	UAE		MADAR-20W	C																																
-20.00	UAE		MADAR-20W-2	C																																
-20.00	HOL		NSS-31	N																																
-20.00	HOL		NSS-G4-18	C																																
-20.00	UAE		YAHSAT-N-20W	N																																

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-18.00	NOR		DUB DUB-5-18W	C																																
-18.00	SUI		INMARSAT-7-18W	C																																
-18.00	USA		INTELSAT7 342E	N																																
-18.00	USA		INTELSAT8 342E	N																																
-18.00	USA		INTELSAT9 342E	N																																
-18.00	UAE		MADAR-18W	C																																
-18.00	NOR		SE-KA-18W	C																																
-18.00	G		UKNETSAT-18W	C																																
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-17.80	G		SKYNET-5E-KA3	C																																
-17.50	G		INMARSAT-6-17.5W	C																																
-17.50	NOR		SE-6-17.5W	C																																
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-16.00	RUS	IK	INTERSPUTNIK-16W-4	C																																
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-16.00	PNG		PACIFISAT-16W	C																																
-16.00	S		SIRIUS-16W-1	C																																
-16.00	RUS		WSDRN	N																																
-16.00	RUS		WSDRN-M	A																																
-16.00	RUS		WSDRN-M	C																																
-16.00	RUS		WSDRN-M	N																																
-16.00	RUS		ZSSRD-2	N																																
-15.50	NOR		DUB DUB-6-15.5W	C																																
-15.50	USA		FLTSATCOM-C E ATL-2	N																																
-15.50	G		INMARSAT-2 AOR EAST	N																																
-15.50	G		INMARSAT-3 AOR EAST	N																																
-15.50	G		INMARSAT-6-15.5W	C																																
-15.50	USA		IRIS-4A	C																																
-15.50	USA		IRIS-4A	N																																
-15.50	NOR		SE-6-15.5W	C																																
-15.00	CAN		CANSAT-61	C																																
-15.00	G		IOMSAT-2A2	C																																
-15.00	USA		USASAT-14L	N																																
-15.00	USA		USASAT-66D	C																																
-14.80	F		F-SAT-N3-14.8W	C																																
-14.50	RUS		GOMS-14.5W	C																																
-14.50	RUS		GOMS-14.5W	N																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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-14.50	RUS		GOMS-1M	N																																
-14.00	RUS		EXPRESS-2	N																																
-14.00	RUS		EXPRESS-2B	N																																
-14.00	CYP		KYPROS-14W	C																																
-14.00	RUS		VOLNA-2	C																																
-14.00	RUS		VOLNA-2	N																																
-13.50	RUS		FOTON-1	N																																
-13.50	RUS		POTOK-1	N																																
-13.00	USA		P-197-4	N																																
-13.00	USA		P92-4	N																																
-13.00	USA		P92-4A	A																																
-13.00	USA		P92-4A	C																																
-13.00	USA		USCSID-E2	N																																
-13.00	USA		USTRO-4	N																																
-12.50	F	EUT	EUTELSAT 3-12.5W	N																																
-12.50	F		F-SAT-KU2-E-12.5W	N																																
-12.50	F		F-SAT-N3-12.5W	C																																
-12.50	F		F-SAT-N5-12.5W	C																																
-12.50	F		F-SAT-N7-12.5W	C																																
-12.50	F		F-SAT-N-E-12.5W	N																																
-12.50	E		HISPASAT-58A	C																																
-12.50	USA		USLL-ATL2	N																																
-12.00	USA		TDRS 12W	A																																
-12.00	USA		TDRS 12W	N																																
-12.00	USA		TDRS 12W-R	A																																
-12.00	USA		TDRS 12W-R	C																																
-12.00	USA		TDRS 12W-R	N																																
-12.00	G		UK-KA-4	C																																
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-12.00	USA		USGOVSAT-8	N																																
-11.50	ETH		AFBS-2	C																																
-11.50	SUI		INMARSAT-7-11W5	C																																
-11.00	RUS		EXPRESS-3	N																																
-11.00	RUS		EXPRESS-B 11W	C																																
-11.00	RUS		EXPRESS-B 11W	N																																
-11.00	F		F-SAT-N4-11W	C																																
-11.00	RUS		VOLNA-3R	N																																
-10.50	MLA		MEASAT-SA3C	C																																
-10.25	E		HISPASAT-29A	C																																
-10.25	E		HISPASAT-49A	C																																
-10.25	E		HISPASAT-82A	C																																
-10.00	B		B-SAT-10-1	C																																
-10.00	F	ESA	MSG-S2	N																																
-10.00	USA		P-197-5	N																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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-10.00	USA		P92-3A	A																																	
-10.00	USA		P92-3A	C																																	
-10.00	USA		USCSID-E1	N																																	
-10.00	USA		USLL-ATL	N																																	
-10.00	USA		USMB-4	N																																	
-10.00	USA		USMB-4A	C																																	
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-9.00	UAE		EMARSAT-12Y-M	C																																	
-9.00	UAE		EMARSAT-9Y/M	C																																	
-9.00	USA		USGAE-8A	C																																	
-8.00	UAE		EMARSAT-13V-M	C																																	
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-8.00	F		F-MILSATCOM3-8W	C																																	
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-8.00	F		F-SAT-KU-E-8W	N																																	
-8.00	F		F-SAT-N3-8W	C																																	
-8.00	F		F-SAT-N5-8W	C																																	
-8.00	F		F-SAT-N7-8W	C																																	
-8.00	F		F-SAT-N-A-8W	C																																	
-8.00	F		F-SAT-N-E-8W	N																																	
-8.00	F		TELECOM-2A	N																																	
-8.00	F		TELECOM-3A	N																																	
-8.00	F		TELECOM-4A	N																																	
-8.00	F		VIDEOSAT-6	N																																	
-8.00	F		VIDEOSAT-6-KA	N																																	
-7.70	NOR		DUB DUB-4-7.7W	C																																	
-7.00	ISR		AMS-B12-7W	C																																	
-7.00	EGY		EGJAN1A	C																																	
-7.00	EGY		EGY-N-SAT	C																																	
-7.00	F		F-SAT-KB1-E-7W	C																																	
-7.00	F		F-SAT-KU-E-7W	N																																	
-7.00	F		F-SAT-N3-7W	C																																	
-7.00	F		F-SAT-N5-7W	C																																	
-7.00	F		F-SAT-N7-7W	C																																	
-7.00	F		F-SAT-N-A-7W	C																																	
-7.00	EGY		NILESAT-103	N																																	
-7.00	EGY		NILESAT-301-7W	N																																	
-6.00	EGY		EGJAN2A	C																																	
-6.00	F		F-SAT-N-6W	C																																	
-5.00	F		F-MILSATCOM2-5W	C																																	
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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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-5.00	F		F-MILSATCOM-5W	C																																	
-5.00	F		F-SAT-KU-E-5W	N																																	
-5.00	F		F-SAT-N3-5W	C																																	
-5.00	F		F-SAT-N5-5W	C																																	
-5.00	F		F-SAT-N7-5W	C																																	
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-5.00	F		F-SAT-N-E-5W	C																																	
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-5.00	F		F-SAT-RN-5W	C																																	
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-5.00	F		SYRACUSE-4E	N																																	
-5.00	F		TELECOM-2B	N																																	
-5.00	F		TELECOM-3B	N																																	
-5.00	F		TELECOM-4B	N																																	
-5.00	F		VIDEOSAT-7	N																																	
-5.00	F		VIDEOSAT-7-KA	N																																	
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-4.00	ISR		AMOS 2-B	N																																	
-4.00	ISR		AMOS 3-A	N																																	
-4.00	ISR		AMS-B4-4W	C																																	
-4.00	ISR		AMS-B8-4W	C																																	
-4.00	ISR		AMS-CK-4W	C																																	
-4.00	ISR		AMS-CK-4W	N																																	
-3.70	CYP		KYPROS-3.7W	C																																	
-3.70	TUR		TURKSAT-3.7W-F	C																																	
-3.40	D	EUM	MTG 3.4W	C																																	
-3.40	D	EUM	MTG-D1 3.4W	C																																	
-3.40	D	EUM	MTG-D1 3.4W	N																																	
-3.00	RUS		GALS-11	N																																	
-3.00	RUS	IK	INTERSPUTNIK-3W	N																																	
-3.00	RUS	IK	INTERSPUTNIK-3W-CK	C																																	
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-3.00	RUS	IK	INTERSPUTNIK-3W-Q	N																																	
-3.00	PNG		PACIFISAT-3W	C																																	
-3.00	RUS		STATSIONAR-M2	N																																	
-3.00	RUS		TOR-11M	N																																	
-2.40	F		LH-SAT-2.4W	C																																	
-2.00	CHN		CHNNEWSAT-G1-2W	C																																	
-2.00	EGY		EGJAN3A	C																																	
-2.00	CYP		KYPROS-AETHER-3	C																																	
-1.00	USA		INTELSAT10 359E	N																																	
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-1.00	USA		INTELSAT8 359E	N																																	

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
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-1.00	G		SKYNET-4A	N																															
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0.00	D	EUM	MTG 0E	C																															
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0.50	D		H2SAT-0.5E	A																															
0.50	D		H2SAT-0.5E	C																															
0.90	QAT		QATARSAT-G4-0.9E	C																															
1.00	ARS	ARB	ARABSAT-9L-1E	C																															
1.00	RUS		GALS-15	N																															
1.00	KOR		KTSAT-1E	C																															
1.00	LUX		LUX-G12-1	C																															
1.00	I		NEWSAT-1A-1E	C																															
1.00	RUS		STATSIONAR-22	N																															
1.00	RUS		TOR-15M	N																															
1.00	RUS		VOLNA-21	N																															
1.50	SUI		INMARSAT-7-1E5	C																															
1.50	CZE		PEKASAT-G2-1	C																															
1.60	F		F-SAT-N3-1.6E	C																															
1.90	BUL		BUL-KUX-1.9E	C																															
1.90	BUL		BUL-QV-1.9E	C																															
1.90	BUL		BULSAT-1.9E	C																															
1.90	BUL		BULSAT-BSS-1.2W-W	N																															
2.00	EGY		EGYCOMM2A	C																															
2.00	UAE		MADAR-2E	C																															
2.90	F		RN-SAT-2.9E	C																															
3.00	ETH		AFBS-3	C																															
3.00	F		F-MILSATCOM2-3E	C																															
3.00	F		F-MILSATCOM3-3E	C																															
3.00	F		F-MILSATCOM-3E	C																															
3.00	F		F-SAT-B1-E-3E	C																															

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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10.00	F		F-SAT-N-E-10E	N																																
10.00	F		F-SAT-S-E-10E	N																																
10.00	I		ITASAT-1B	C																																
10.00	BEL		SATCOM-4/10E	N																																
10.60	CHN		CTDRS-2-10.6E	A																																
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10.60	CHN		CTDRS-2-10.6E	N																																
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11.00	ARS	ARB	ARABSAT 8G-11E	C																																
11.00	EGY		EGJAN4A	C																																
11.00	UAE		FUTURA-1	C																																
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11.00	E		HISPASAT-81A	C																																
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11.00	KOR		KTSAT-11E	C																																
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11.50	D		H2SAT-11.5E	A																																
11.50	D		H2SAT-11.5E	C																																
11.80	I		SICRAL-3H	N																																
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12.00	RUS		TOR-18M	N																																
12.00	RUS		VOLNA-27	N																																
12.50	IRN		IRANSAT-12.5E	C																																
12.50	TUR		TURKSAT-12.5E-F	C																																
12.80	RUS		ENSAT-12.8E	C																																
12.80	RUS		ENSAT-12.8E	N																																
13.00	CYP		CYP-SAT-KM-13E	C																																
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13.00	RUS		ENSAT-13E	N																																
13.00	F	EUT	EUTELSAT 2-13E	N																																
13.00	F	EUT	EUTELSAT 3-13E	N																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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13.00	F	EUT	EUTELSAT-B1-13E	N																																
13.00	F		F-SAT-KU2-E-13E	N																																
13.00	F		F-SAT-N3-13E	C																																
13.00	F		F-SAT-N5-13E	C																																
13.00	F		F-SAT-N7-13E	C																																
13.00	F		F-SAT-N-A-13E	C																																
13.00	F		F-SAT-N-E-13E	C																																
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13.00	D		GENESIS-11	C																																
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13.00	D		GENESIS-8	N																																
13.20	RUS		ENSAT-13.2E	C																																
13.20	RUS		ENSAT-13.2E	N																																
13.40	MLA		MEASAT-SA2A	C																																
13.40	MLA		MEASAT-SA2B	C																																
13.50	CHN		ITS-13.5E-N	C																																
13.80	ISR		AMS-B2-13.8E	C																																
13.80	ISR		AMS-B7-13.8E	C																																
13.80	ISR		AMS-B8-13.8E	C																																
13.90	G		ECHOSTAR-SM1	C																																
14.00	RUS		TOR-12M	N																																
14.50	CYP		CYP-SAT-KM-14.5E	C																																
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14.50	RUS		ENSAT-14.5E	N																																
14.50	RUS		ENSAT-14.5E-A	C																																
14.50	F		F-SAT-N-14.5E	C																																
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14.50	F		F-SAT-N5-14.5E	C																																
14.50	F		F-SAT-N7-14.5E	C																																
14.50	QAT		QATARSAT-G2-3	C																																
14.50	QAT		QATARSAT-G4-14.5E	C																																
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14.60	UAE		FUTURA-3	C																																
15.00	ETH		AFBS-4	C																																
15.00	EGY		EGJAN5A	C																																
15.00	RUS		GALS-12	N																																
15.00	UAE		MADAR-15E	C																																
15.00	RUS		STATSIONAR-23	N																																
15.00	RUS		VOLNA-23	N																																
16.00	F	EUT	EUTELSAT 2-16E	N																																
16.00	F	EUT	EUTELSAT 3-16E	N																																
16.00	F	EUT	EUTELSAT-KA-16E	N																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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16.00	F		F-SAT-KU2-E-16E	N																																	
16.00	F		F-SAT-N3-16E	C																																	
16.00	F		F-SAT-N5-16E	C																																	
16.00	F		F-SAT-N7-16E	C																																	
16.00	F		F-SAT-N-A-16E	C																																	
16.00	F		F-SAT-N-E-16E	C																																	
16.00	F		F-SAT-N-E-16E	N																																	
16.20	I		SICRAL-2A	N																																	
16.20	I		SICRAL-3A	N																																	
16.50	CYP		KYPROS-EUROPA-3	C																																	
16.80	CHN		CTDRS-2-16.8E	C																																	
16.80	CHN		CTDRS-2-16.8E	N																																	
17.00	ISR		AMS-C8-17E	C																																	
17.00	ISR		AMS-CK-17E	C																																	
17.00	ARS	ARB	ARABSAT 5D-17E	C																																	
17.00	ARS	ARB	ARABSAT 8H-17E	C																																	
17.00	ARS	ARB	ARABSAT-8H-17ER	C																																	
17.00	RUS	IK	INTERSPUTNIK-17E	N																																	
17.00	RUS	IK	INTERSPUTNIK-17E-CK	N																																	
17.00	HOL		PESSE-17E-KA	C																																	
17.00	HOL		PESSE-17E-VB	C																																	
17.50	G		UK-KA-17.5E	C																																	
17.50	G		UK-KA-17.5E-VB	C																																	
17.60	D		H2M-17.6E	A																																	
17.60	D		H2M-17.6E	C																																	
17.60	D		H2SAT-17.6E	A																																	
17.60	D		H2SAT-17.6E	C																																	
18.00	EGY		EGJAN6A	C																																	
18.00	EGY		EGYCOMM5A	C																																	
18.90	TUR		TURKSAT-18.9E-F	C																																	
19.00	LUX		LUX-KA-19E	N																																	
19.00	G		UK-KUKA-2	C																																	
19.00	USA		USGAE-23M	N																																	
19.20	LUX		GDL-6	N																																	
19.20	LUX		GDL-7	N																																	
19.20	LUX		LUX-G10-5	C																																	
19.20	LUX		LUX-G11-5	C																																	
19.20	LUX		LUX-G3-19.2E	N																																	
19.20	LUX		LUX-G6-5	N																																	
19.20	LUX		LUX-G9-5	C																																	
19.70	QAT		QATARSAT-G4-19.7E	C																																	
20.00	ARS	ARB	ARABSAT 2-C	N																																	
20.00	ARS	ARB	ARABSAT 5C-20E	N																																	
20.00	ARS	ARB	ARABSAT 7C-20E	C																																	

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
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22.50	G		UKDRS-A1	C																															
23.00	ISR		AMS-C10-23E	C																															
23.00	ISR		AMS-C3-23E	C																															
23.00	ISR		AMS-CK-23E	C																															
23.00	EGY		EGJAN8A	C																															
23.00	RUS		ENSAT-23E	C																															
23.00	RUS		ENSAT-23E	N																															
23.00	RUS		GALS-8	N																															
23.00	RUS		STATSIONAR-19	N																															
23.00	RUS		VOLNA-17	N																															
23.30	QAT		QATARSAT-G4-23.3E	C																															
23.30	G		UK-KUKA-3	C																															
23.40	CHN		STARTIME-23.4E	C																															
23.50	D		DFS II-1	N																															
23.50	D		DFS-1	N																															
23.50	LUX		LUX-G10-7	C																															
23.50	LUX		LUX-G11-7	C																															
23.50	LUX		LUX-G3-24.2E	N																															
23.50	LUX		LUX-G6-7	C																															
23.50	LUX		LUX-G7-7	C																															
23.50	LUX		LUX-G9-7	C																															
23.50	HOL		PESSE-23.5E-KA	C																															
23.70	RUS		PRSS-23.7E	C																															
24.00	RUS		TOR-7M	N																															
24.00	USA		USGOVSAT-16R	C																															
24.00	USA		USGOVSAT-16R	N																															
24.19	IRN		IRANSAT-24.19E	C																															
24.20	LUX		LUX-24.2E	N																															
25.00	I		ALPHASAT TDP5	C																															
25.00	G		ESAT 1	N																															
25.00	F		F-MILSATCOM2-25E	C																															
25.00	F		F-MILSATCOM-25E	C																															
25.00	F		F-MILSATCOM3-25E	C																															
25.00	G		INMARSAT-3 IOR WEST	N																															
25.00	G		INMARSAT-4 25E	N																															
25.00	G		INMARSAT-4A 25E	N																															
25.00	G		INMARSAT-6-25E	C																															
25.00	G		INMARSAT-XL1	N																															
25.00	F		MR-T-SAT-25E	C																															
25.00	NOR		SE-6-25E	C																															
25.30	CHN		QXSI-25.3E-EX-L	C																															
25.50	F	EUT	EUTELSAT 1-8	N																															
25.50	F	EUT	EUTELSAT 3-25.5E	N																															
25.50	F		F-SAT-KU3-E-25.5E	N																															

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25.50	F		F-SAT-N3-25.5E	C																															
25.50	F		F-SAT-N5-25.5E	C																															
25.50	F		F-SAT-N-A-25.5E	C																															
25.50	F		F-SAT-N-E-25.5E	C																															
25.50	QAT		QATARSAT-6	C																															
25.50	QAT		QATARSAT-6	N																															
25.50	QAT		QATARSAT-G2-6	C																															
25.90	QAT		QATARSAT-G4-25.9E	C																															
26.00	ARS	ARB	ARABSAT 1-B	N																															
26.00	ARS	ARB	ARABSAT 2-B	N																															
26.00	ARS	ARB	ARABSAT 5B-26E	N																															
26.00	ARS	ARB	ARABSAT 7B-26E	C																															
26.00	ARS	ARB	ARABSAT 7B-26E	N																															
26.00	ARS	ARB	ARABSAT 8B-26E	C																															
26.00	ARS	ARB	ARABSAT-8B-26ER	C																															
26.00	ARS	ARB	ARABSAT-EXT-C2	N																															
26.00	ARS	ARB	ARABSAT-KA-26E	N																															
26.00	ARS	ARB	ARABSAT-KU-26E	N																															
26.00	QAT		QATARSAT-G2-7	C																															
26.00	IRN		ZOHREH-2	N																															
26.50	IRN		IRANSAT-26.5E	C																															
26.80	CZE		PEKASAT-8	C																															
27.00	IRN		IRANSAT-27E	C																															
27.00	UAE		MADAR-27E	C																															
27.20	IRN		IRANSAT-27.2E	C																															
27.80	TUR		TURKSAT-27.8E-F	C																															
28.00	QAT		QATARSAT-G4-28E	C																															
28.20	LUX		LUX-28.2E	N																															
28.20	LUX		LUX-G10-8	C																															
28.20	LUX		LUX-G11-8	C																															
28.20	LUX		LUX-G3-28.2E	N																															
28.20	LUX		LUX-G6-8	C																															
28.20	LUX		LUX-G6-8	N																															
28.20	LUX		LUX-G9-8	C																															
28.40	CHN		STARTIME-28.4E	C																															
28.50	ETH		AFBS-5	C																															
28.50	D		DFS II-2	N																															
28.50	D		DFS-2	N																															
28.50	F		F-SAT-N3-28.5E	C																															
28.50	F		F-SAT-N-A-28.5E	C																															
29.00	USA		FLTSATCOM-C INDOC-1	N																															
29.00	USA		IRIS-10B	C																															
29.00	E		SECOMSAT B29E	N																															
29.00	E		SECOMSAT-29E	C																															

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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29.00	E		SECOMSAT-4-29E	C																																
29.00	E		SECOMSAT-5-29E	C																																
29.60	CYP		KYPROS-29.6E	C																																
30.00	USA		USGAE-16R	N																																
30.50	ARS	ARB	ARABSAT 2-A	N																																
30.50	ARS	ARB	ARABSAT 5A-30.5E	N																																
30.50	ARS	ARB	ARABSAT 7A-30.5E	C																																
30.50	ARS	ARB	ARABSAT 8A-30.5E	C																																
30.50	ARS	ARB	ARABSAT-8A-30.5ER	C																																
30.50	ARS	ARB	ARABSAT-KA-30.5E	N																																
30.70	QAT		QATARSAT-G4-30.7E	C																																
31.00	F		EDRS-31E	C																																
31.00	LUX		LUX-G3-4	N																																
31.00	LUX		LUX-G9-9	C																																
31.00	S		SMMSAT-4R	C																																
31.00	S		SMMSAT-5X	C																																
31.00	TUR		TURKSAT-1B	N																																
31.00	TUR		TURKSAT-2B	N																																
31.00	TUR		TURKSAT-31E-A	N																																
31.00	TUR		TURKSAT-31E-B	N																																
31.00	TUR		TURKSAT-31E-C	C																																
31.00	TUR		TURKSAT-31E-D	C																																
31.00	TUR		TURKSAT-31E-F	C																																
31.00	TUR		TURKSAT-K1	N																																
31.00	G		UKDRS-A2	C																																
31.00	G		UKDSAT-B1	C																																
31.00	G		UKDSAT-C	C																																
31.00	G		UKJKSAT-1	N																																
31.00	G		UKMMSAT-B1	C																																
31.00	G		UKMMSAT-B1-TTC-C	N																																
31.00	G		UKMMSAT-B3	C																																
31.00	G		UKMMSAT-C	C																																
31.15	G		UKMMSAT-C0	C																																
31.20	F		EDRS-31.2E	C																																
31.50	LUX		LUX-G6-9	C																																
31.50	LUX		LUX-G6-9	N																																
31.50	LUX		LUX-G7-9-E2	C																																
31.50	LUX		LUX-G9-10	C																																
32.50	IND		INSAT-BHFL-32.5E	C																																
32.50	IND		INSAT-NAVR(32.5)	C																																
32.50	CHN		SIGNSAT-32E	C																																
33.00	G		ESAT-5	C																																
33.00	G		ESAT-5	N																																
33.00	F	EUT	EUTELSAT 2-33E	N																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88				
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33.00	F	EUT	EUTELSAT 3-33E	N																																		
33.00	F	EUT	EUTELSAT-KA-33E	N																																		
33.00	F		F-MILSATCOM4-33E	C																																		
33.00	F		F-SAT-KU3-E-33E	N																																		
33.00	F		F-SAT-N3-33E	C																																		
33.00	F		F-SAT-N5-33E	C																																		
33.00	F		F-SAT-N7-33E	C																																		
33.00	F		F-SAT-N-E-33E	C																																		
33.00	F		F-SAT-N-E-33E	N																																		
33.00	USA		INTELSAT5 33E	N																																		
33.00	USA		INTELSAT7 33E	N																																		
33.00	USA		INTELSAT8 33E	N																																		
33.00	USA		INTELSAT9 33E	N																																		
33.00	UAE		MADAR-33E	C																																		
33.00	UAE		MADAR-33E-2	C																																		
33.00	PNG		NEW DAWN 49	C																																		
33.00	G		SKYNET-5H-KA	C																																		
33.00	G		UKMMSAT-B2-TTC-C	C																																		
33.00	USA		USASAT-55I	N																																		
33.00	USA		USASAT-60N	N																																		
33.00	USA		USMB-7	N																																		
33.50	CHN		CHINASAT-E-33.5E	C																																		
33.50	UAE		MADAR-33.5E	C																																		
34.00	CHN		CHNNEWSAT-G1-34E	C																																		
34.00	IRN		IRANDBS4-KAFL	C																																		
34.00	IRN		IRANSAT-34E	C																																		
34.00	IRN		IRANSAT-B-34E	C																																		
34.00	IRN		IRNDBS-KA	C																																		
34.50	ARS	ARB	ARABSAT 6E-34.5E	N																																		
34.50	ARS	ARB	ARABSAT 7E-34.5E	C																																		
34.50	ARS	ARB	ARABSAT 8E-34.5E	C																																		
34.50	ARS	ARB	ARABSAT-8E-34.5ER	C																																		
34.50	F		F-SAT-N3-34.5E	C																																		
34.50	CZE		PEKASAT-10	C																																		
35.00	RUS		GALS-6	N																																		
35.00	RUS		PROGNOZ-3	N																																		
35.00	RUS		STATSIONAR-2	N																																		
35.00	RUS		STATSIONAR-D3	N																																		
35.00	RUS		TOR-2M	N																																		
35.00	RUS		VOLNA-11	N																																		
35.50	EGY		EGYCOMMOA	C																																		
35.50	EGY		EGYCOMM8A	C																																		
36.00	F	EUT	EUTELSAT 2-36E	N																																		
36.00	F	EUT	EUTELSAT 3-36E	N																																		

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36.00	F	EUT	EUTELSAT-KA-36E	N																															
36.00	RUS		EXPRESS-KA-36E	C																															
36.00	F		F-SAT-KU3-E-36E	N																															
36.00	F		F-SAT-N3-36E	C																															
36.00	F		F-SAT-N5-36E	C																															
36.00	F		F-SAT-N7-36E	C																															
36.00	F		F-SAT-N-A-36E	C																															
36.00	F		F-SAT-N-E-36E	C																															
36.00	RUS		RST-1	N																															
36.00	RUS		RST-1A	N																															
36.00	USA		USGOVSAT-17A	C																															
37.00	ARS		S2	C																															
37.00	I		SICRAL-4-37E	N																															
37.50	F		F-SAT-N3-37.5E	C																															
38.00	F		ATHENA-FIDUS-38E	C																															
38.00	F		ATHENA-FIDUS-38E	N																															
38.00	CHN		ITS-38E-N	C																															
38.00	PAK		PAKSAT-1	N																															
38.00	PAK		PAKSAT-1R	N																															
38.00	PAK		PAKSAT-1R1	N																															
38.20	PAK		PAKSAT-MM1-38.2E	C																															
38.20	PAK		PAKSAT-MM1-38.2E-KA	C																															
39.00	F		F-SAT-N2-39E	C																															
39.00	GRC		HELLAS-SAT	N																															
39.00	GRC		HELLAS-SAT-2G	N																															
39.00	GRC		HELLAS-SAT-C	C																															
39.00	G		INMARSAT-S4-R	C																															
39.00	CYP		KYPROS-SAT-5	C																															
39.00	CYP		KYPROS-SAT-5	N																															
39.00	CYP		KYPROS-SAT-7	C																															
39.00	CYP		KYPROS-SAT-C	N																															
39.00	CYP		KYPROS-SAT-L4	N																															
39.00	S		SMMSAT-6X	C																															
39.00	G		UKDRS-A3	C																															
39.00	G		UKDSAT-B2	C																															
39.00	G		UKDSAT-D	C																															
39.00	G		UKMMSAT-D	C																															
39.20	ISR		AMS-C2-39.2E	C																															
39.50	CHN		APMATSAT1-39.5E	C																															
39.50	G		DJCF-1A	N																															
40.00	ETH		AFBS-6	C																															
40.00	CHN		CHNNEWSAT-G1-40E	C																															
40.00	RUS		EXPRESS-4	N																															
40.00	RUS		EXPRESS-4B	C																															

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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-			
40.00	RUS		EXPRESS-4B	N																																	
40.00	UAE		MADAR-40E	C																																	
40.00	RUS		VOLNA-4R	N																																	
40.50	D		GENESIS-16	C																																	
41.00	KOR		KTSAT-41E	C																																	
41.00	ARS		S2-N	C																																	
41.00	E		SECOMSAT-4-41E	C																																	
41.00	E		SECOMSAT-B1-R 41E	C																																	
41.50	IRN		IRANSAT-41.5E	C																																	
41.50	D	EUM	MSG-41.5E	C																																	
41.80	IND		INSAT-KA41.8E	C																																	
42.00	UAE		MADAR-42E	C																																	
42.00	TUR		TURKSAT-1A	N																																	
42.00	TUR		TURKSAT-1D	N																																	
42.00	TUR		TURKSAT-42E-A	N																																	
42.00	TUR		TURKSAT-42E-B	C																																	
42.00	TUR		TURKSAT-42E-B	N																																	
42.00	TUR		TURKSAT-42E-C	C																																	
42.00	TUR		TURKSAT-42E-F	C																																	
42.00	TUR		TURKSAT-K2	N																																	
42.00	TUR		TURKSAT-KX	N																																	
42.30	CHN		QXSI-42.3E-EX-L	C																																	
42.50	RUS		ENSAT-KA-42.5E	C																																	
42.50	NIG		NIGCOMSAT-1R	C																																	
42.50	NIG		NIGCOMSAT-1R	N																																	
43.00	ISR		AMS-C1-43E	C																																	
43.00	ISR		AMS-C3-43E	C																																	
43.00	ISR		AMS-C8-43E	C																																	
43.20	CHN		SIGNSAT-43E	C																																	
43.50	D		H2SAT-43.5E	A																																	
43.50	D		H2SAT-43.5E	C																																	
43.50	IRN		IRANSAT-43.5E	C																																	
43.50	IRN		IRANSAT-B-43.5E	C																																	
43.50	LUX		LUX-G6-12	N																																	
44.00	UAE		EMARSAT-10F	C																																	
44.00	UAE		EMARSAT-12F	C																																	
44.00	UAE		EMARSAT-1F	N																																	
44.00	UAE		EMARSAT-1F/M	N																																	
44.00	UAE		EMARSAT-4F	N																																	
44.00	UAE		FUTURA-4	C																																	
44.00	KAZ		KAZSAT10R	C																																	
44.00	USA		USCSID-A2	N																																	
44.00	USA		USGGR-4	N																																	
44.20	F		BT-SAT 44.2E	C																																	

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44.50	ARS	ARB	ARABSAT 7F-44.5E	N																																	
44.50	ARS	ARB	ARABSAT 8F-44.5E	C																																	
44.50	ARS	ARB	ARABSAT-8F-44.5ER	C																																	
44.50	ARS	ARB	ARABSAT-9F-44.5E	C																																	
44.50	CHN		CHNNEWSAT-G1-44.5E	C																																	
44.50	UAE		MADAR-44.5E	C																																	
44.80	IND		INSAT-KA44.8E	C																																	
45.00	AZE		AZERSAT 45E	C																																	
45.00	D		EUROPE*STAR-1	N																																	
45.00	D		EUROPESTAR-45E	N																																	
45.00	D		EUROPESTAR-45E-A	C																																	
45.00	F		F-MILSATCOM2-45E	C																																	
45.00	F		F-MILSATCOM3-45E	C																																	
45.00	F		F-MILSATCOM-45E	C																																	
45.00	RUS		GALS-2	N																																	
45.00	E		HISPASAT-11A	C																																	
45.00	E		HISPASAT-25A	C																																	
45.00	CHN		ITS-45E-N	C																																	
45.00	RUS		STATSIONAR-9	N																																	
45.00	RUS		STATSIONAR-9A	N																																	
45.00	RUS		STATSIONAR-D4	N																																	
45.00	RUS		TOR-3	N																																	
45.00	UKR		UKRSAT-KA-45.0E	C																																	
45.00	RUS		VOLNA-3	N																																	
46.00	G		DJCF-1B	N																																	
46.00	UAE		MADAR-46E	C																																	
46.00	UAE		MADAR-46E-2	C																																	
46.00	MLA		MEASAT-46E	N																																	
46.00	MLA		MEASAT-46E-R	N																																	
46.00	MLA		MEASAT-SA4B	C																																	
46.00	MLA		MEASAT-SA4C	C																																	
47.00	F		F-MILSATCOM2-47E	C																																	
47.00	F		F-MILSATCOM3-47E	C																																	
47.00	F		F-MILSATCOM-47E	C																																	
47.00	F		SYRACUSE-31H	N																																	
47.00	F		SYRACUSE-3H	N																																	
47.00	F		SYRACUSE-4H	N																																	
47.50	D		EUROPE*STAR-3	N																																	
47.50	D		EUROPESTAR-47.5E	N																																	
47.50	UAE		MADAR-47.5E	C																																	
47.50	UAE		MADAR-47.5E-2	C																																	
47.50	UAE		YAHSAT-KA-47.5E	N																																	
48.00	F		F-SAT-N3-48E	C																																	
48.00	F		F-SAT-N5-48E	C																																	

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48.00	F		F-SAT-N-A-48E	C																																	
48.00	F		F-SAT-N-E-48E	C																																	
48.00	F		F-SAT-N-E-48E	N																																	
48.00	IND		IND-SATS-48E	C																																	
48.00	IND		INSAT-2 (48)	N																																	
48.00	IND		INSAT-2M (48)	N																																	
48.00	IND		INSAT-2T (48)	N																																	
48.00	IND		INSAT-BHFL-48E	C																																	
48.00	IND		INSAT-EK48	N																																	
48.00	IND		INSAT-EK48R	N																																	
48.00	IND		INSAT-KA48E	C																																	
48.00	IND		INSAT-KU17 (48E)	C																																	
48.00	IND		INSAT-L-MSS (48E)	C																																	
48.20	CHN		ASIASAT-48.2Q	C																																	
49.00	RUS		GALS-13	N																																	
49.00	RUS		ROSCOM-4	N																																	
49.00	RUS		STATSIONAR-24	N																																	
49.00	RUS		TOR-16M	N																																	
49.00	USA		USMB-8	N																																	
49.00	USA		USMB-8A	C																																	
49.00	RUS		VOLNA-25	N																																	
49.00	RUS		YAMAL-49E	N																																	
49.00	RUS		YAMAL-KA1M	C																																	
50.00	J		N-SAT-Y17-50E	C																																	
50.00	E		SECOMSAT-3-50E	C																																	
50.00	E		SECOMSAT-50E	C																																	
50.00	IRQ		SUMER-2	C																																	
50.00	TUR		TURKSAT-1C	N																																	
50.00	TUR		TURKSAT-50E-A	N																																	
50.00	TUR		TURKSAT-50E-B	C																																	
50.00	TUR		TURKSAT-50E-B	N																																	
50.00	TUR		TURKSAT-50E-C	C																																	
50.00	TUR		TURKSAT-50E-F	C																																	
50.00	TUR		TURKSAT-C50E	N																																	
50.00	TUR		TURKSAT-K3	N																																	
50.50	UAE		MADAR-50.5E	C																																	
50.50	UAE		MADAR-50.5E-2	C																																	
50.50	UAE		MADAR-50.5E-3	C																																	
50.50	HOL		NSS-G2-16	C																																	
50.50	HOL		NSS-G2-16	N																																	
50.50	HOL		NSS-G4-22	C																																	
50.50	HOL		NSS-G7-50.5E	C																																	
50.50	THA		THAI COM-C1	N																																	
50.50	THA		THAI COM-N1	N																																	

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50.50	THA		THAICOM-P1R	C																															
51.00	OMA		OMANSAT-51E	C																															
51.00	THA		THAICOM-51	C																															
51.20	IND		INSAT-KA51.2E	C																															
51.50	BLR		BTS-3-NP	C																															
51.50	CHN		CHINASAT-51.5E	N																															
51.50	CHN		CHINASAT-CL2	C																															
51.50	CHN		CHINASAT-E-51.5E	C																															
51.50	CHN		CHINASAT-ROUTE1	N																															
51.50	USA		USOBO-12A	C																															
51.50	USA		USOBO-12B	C																															
52.00	MCO		MONASAT-52E	C																															
52.00	MCO		MONASAT-52EA	C																															
52.00	MCO		MONASAT-52EB	C																															
52.20	LUX		LUX-G11-14	C																															
52.50	UAE		EMARSAT-1G	N																															
52.50	UAE		EMARSAT-5G	C																															
52.50	UAE		EMARSAT-5G	N																															
52.50	UAE		MADAR-52.5E	C																															
52.50	UAE		MADAR-52.5E-2	C																															
52.50	UAE		YAHSAT	N																															
52.50	UAE		YAHSAT-KA1-52.5E	C																															
53.00	RUS		EXPRESS-5	N																															
53.00	RUS		EXPRESS-5B	N																															
53.00	RUS		EXPRESS-5KA	N																															
53.00	G		SKYNET-4C	N																															
53.00	G		SKYNET-4L	N																															
53.00	G		SKYNET-53E-KQ	C																															
53.00	G		SKYNET-5D	N																															
53.00	USA		USNN-2	C																															
53.00	RUS		VOLNA-4	N																															
53.20	UKR		UKRSAT-KA-53.2E	C																															
53.50	IRN		IRANSAT-53.5E	C																															
54.00	OMA		OMANSAT-54E	C																															
54.50	CYP		KYPROS-ZEUS-3	C																															
55.00	IND		INSAT-2(55)	N																															
55.00	IND		INSAT-2T(55)	N																															
55.00	IND		INSAT-EHFL-55E	C																															
55.00	IND		INSAT-EK55	N																															
55.00	IND		INSAT-EK55R	N																															
55.00	IND		INSAT-KA55E	C																															
55.00	IND		INSAT-KU10(55)E	N																															
55.00	IND		INSAT-KU11(55)E	N																															
55.00	IND		INSAT-KU17(55E)	C																															

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55.00	IND		INSAT-NAV (55)	N																																		
55.00	IND		INSAT-TTC (55) E	N																																		
55.00	KAZ		KAZSAT3R	C																																		
55.00	RUS		KUPON-1	N																																		
55.00	RUS		KUPON-1M	N																																		
55.00	RUS		KUPON-1S	N																																		
55.00	RUS		KUPON-1T	N																																		
55.00	LUX		LUX-G7-14	C																																		
55.00	UAE		MADAR-55E	C																																		
55.00	USA		MILSTAR 4	N																																		
55.00	PNG		RAGGIANA-25	C																																		
55.00	S		SMMSAT-5R	C																																		
55.00	S		SMMSAT-7	C																																		
55.00	S		SMMSAT-7X	C																																		
55.00	G		UKDRS-A5	C																																		
55.00	G		UKDSAT-C2	C																																		
55.00	G		UKDSAT-E	C																																		
55.00	G		UKMMSAT-C2-TTC-C	C																																		
55.00	G		UKMMSAT-E	C																																		
55.00	USA		USGAE-5A	C																																		
55.00	RUS		YAMAL-55E	N																																		
55.50	CYP		JUPITER-1C	C																																		
55.50	MLA		MEASAT-ROUTE-2D	C																																		
55.50	S		SMMSAT-6R	C																																		
55.70	CHN		CHINASAT-D-55.7E	C																																		
56.00	IRN		IRANSAT-56E	C																																		
56.00	IRN		IRANSAT-B-56E	C																																		
56.00	UAE		MADAR-56E	C																																		
56.00	RUS		RST-2	N																																		
56.50	RUS	IK	IK-56.5E	C																																		
56.50	NOR		SE-KA-56.5E	C																																		
57.00	E		HISPASAT-38A	C																																		
57.00	E		HISPASAT-65A	C																																		
57.00	HOL		INTELSAT5A INDOC2	N																																		
57.00	HOL		INTELSAT7 57E	N																																		
57.00	HOL		INTELSAT8 57E	N																																		
57.00	CYP		KYPROS-HERMES-4	C																																		
57.00	UAE		MADAR-57E	C																																		
57.00	UAE		MADAR-57E-2	C																																		
57.00	HOL		NSS-36	N																																		
57.00	HOL		NSS-8	N																																		
57.00	HOL		NSS-G2-17	C																																		
57.00	HOL		NSS-G2-17	N																																		
57.00	HOL		NSS-G4-23	C																																		

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57.00	HOL		NSS-G5-18	C																																	
57.00	HOL		NSS-G9-57E	C																																	
57.00	HOL		PESSE-57E	C																																	
57.00	USA		USGCSS PH3 INDOC-2	N																																	
57.00	USA		USGCSS PH3B INDOC-2	N																																	
57.00	USA		USGOVSAT-9A	C																																	
57.50	CHN		CHINASAT-D-57.5E	C																																	
57.50	D	EUM	METEOSAT IODC 57.5E	N																																	
58.00	G		INMARSAT-6-58E	C																																	
58.00	IRN		IRANSAT-58E	C																																	
58.00	IRN		IRANSAT-B-58E	C																																	
58.00	NOR		SE-6-58E	C																																	
58.00	RUS		TOR-13M	N																																	
58.30	ETH		ETHIOSAT-1	C																																	
58.45	CYP		CYP-SAT-KM-58.45E	C																																	
58.45	F		F-SAT-N3-58.45E	C																																	
58.50	AZE		AZERSAT-F	C																																	
58.50	KAZ		KAZSAT1	N																																	
58.50	KAZ		KAZSAT1M	N																																	
58.50	KAZ		KAZSAT1S	C																																	
58.75	CHN		COMPASS-58.75E	C																																	
58.75	CHN		COMPASS-58.75E	N																																	
58.75	CHN		COMPASS-A-58.75E	A																																	
58.75	CHN		COMPASS-A-58.75E	C																																	
59.00	AZE		AZERSAT-G (59E)	C																																	
59.00	AZE		AZERSAT-H (59E)	C																																	
59.00	RUS		BRASLET-59E	C																																	
59.00	CHN		DFH-5-02A	C																																	
59.00	E		HISPASAT-60A	C																																	
60.00	CHN		ASIASAT-60Q	C																																	
60.00	CHN		ASIASAT-60T	C																																	
60.00	USA		INTELSAT6 60E	N																																	
60.00	USA		INTELSAT8 60E	N																																	
60.00	USA		INTELSAT9 60E	N																																	
60.00	UAE		MADAR-60E	C																																	
60.00	UAE		MADAR-60E-2	C																																	
60.00	PNG		NEW DAWN 21	C																																	
60.00	PNG		NEW DAWN 21	N																																	
60.00	PNG		NEW DAWN 44	C																																	
60.00	HOL		NSS-G5-2	C																																	
60.00	USA		USASAT-80B	C																																	
60.00	USA		USGCSS PH3 INDOC	N																																	
60.00	USA		USGCSS PH3B INDOC	N																																	
60.00	USA		USGOVSAT-10	N																																	

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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-			
60.00	UAE		YAHSAT-60E	N																																	
60.50	CHN		CHINASAT-E-60.5E	C																																	
60.75	F		CP 60.75E G2	C																																	
61.00	IND		INSAT-KA61E	C																																	
61.00	PNG		PACIFISAT-5	N																																	
61.50	IRN		IRANSAT-61.5E	C																																	
61.50	S		SMMSAT-8X	C																																	
61.50	G		UKDRS-A6	C																																	
61.50	G		UKDSAT-C1	C																																	
61.50	G		UKDSAT-F	C																																	
61.50	G		UKMMSAT-F	C																																	
61.80	IRN		IRANSAT-61.8E	C																																	
61.80	IRN		IRANSAT-B-61.8E	C																																	
62.00	USA		INTELSAT6 62E	N																																	
62.00	USA		INTELSAT7 62E	N																																	
62.00	USA		INTELSAT8 62E	N																																	
62.00	USA		INTELSAT9 62E	N																																	
62.00	PNG		NEW DAWN 22	C																																	
62.00	PNG		NEW DAWN 22	N																																	
62.00	PNG		NEW DAWN 45	C																																	
62.00	USA		USMB-9	N																																	
63.00	D		GENESIS-15	C																																	
63.00	D		GENESIS-9	N																																	
63.00	G		INMARSAT-KA 63E	C																																	
63.00	G		INMARSAT-KA 63E	N																																	
63.00	IND		INSAT-KUI2 (63) E	C																																	
63.00	UAE		MADAR-63E	C																																	
63.00	PNG		PACIFISAT-S-63E	C																																	
63.00	NOR		SE-KA-63E	C																																	
63.00	UAE		YAHSAT-63E	N																																	
63.00	UAE		YAHSAT-G6-63E	N																																	
64.00	G		INMARSAT GSO-2N	N																																	
64.00	G		INMARSAT-3 IOR-1	N																																	
64.00	G		INMARSAT-4B 64E	C																																	
64.00	G		INMARSAT-6-64E	C																																	
64.00	USA		INTELSAT7 64E	N																																	
64.00	USA		INTELSAT8 64E	N																																	
64.00	USA		INTELSAT9 64E	N																																	
64.00	PNG		NEW DAWN 23	N																																	
64.00	PNG		NEW DAWN 46	C																																	
64.00	NOR		SE-6-64E	C																																	
64.30	IND		INSAT-KA64.3E	C																																	
64.40	BLR		BTS-2-NP	C																																	
64.50	CHN		ITS-AR-64.5E	C																																	

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65.00	ISR		AMS-4-65E	N																																
65.00	ISR		AMS-C1-65E	C																																
65.00	ISR		AMS-C3-65E	C																																
65.00	ISR		AMS-C8-65E	C																																
65.00	PNG		PACIFISAT-7	C																																
65.45	IRQ		SUMER-1	C																																
66.00	USA		INTELSAT7 66E	N																																
66.00	USA		INTELSAT9 66E	N																																
66.00	E		SECOMSAT-1-66E	C																																
66.00	USA		USASAT-55Q	C																																
66.00	USA		USOBO-6B	C																																
66.50	CHN		DFH-5-03A	C																																
67.00	RUS		ENSAT-KA-67E	C																																
67.00	OMA		OMANSAT-67E	C																																
67.00	PNG		PACIFISAT KA-67E	C																																
67.25	ISR		AMS-C8-67.25E	C																																
67.50	ARS	ARB	ARABSAT-9M-67.5E	C																																
67.50	F		AST-IKAU-67.5E	C																																
67.50	SUI		INMARSAT-7-67E5	C																																
67.50	UAE		MADAR-67.5E	C																																
68.00	CHN		CHNNEWSAT-G1-68E	C																																
68.00	AUS		DEF-R-SAT-5B	C																																
68.00	IND		INSAT-EHFL-68E	C																																
68.00	IND		INSAT-KA68E	C																																
68.00	IRN		IRANSAT-68E	C																																
68.50	CYP		KYPROS-68.5E	C																																
68.50	PNG		NEW DAWN 27	C																																
68.50	USA		USASAT-14I	N																																
68.50	USA		USASAT-14I-3	N																																
68.50	USA		USASAT-60C	N																																
68.50	USA		USASAT-71N	C																																
69.00	RUS		GALS-14	N																																
69.00	RUS		TOR-14M	N																																
69.50	RUS	IK	IK-69.5E	C																																
69.50	IRN		IRANSAT-B-69.5E	C																																
70.00	RUS		GALS-16	N																																
70.00	PNG		PACIFISAT KA-70E	C																																
70.00	RUS		STATSIONAR-20	C																																
70.00	RUS		STATSIONAR-20	N																																
70.00	TON		TONGASAT-H70	N																																
70.00	RUS		TOR-17M	N																																
70.00	USA		USGON-1	N																																
70.00	USA		USOBO-19B	C																																
70.00	USA		USTRO-6	N																																

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70.00	RUS		VOLNA-19	N																															
70.50	CYP		CYP-SAT-KM-70.5E	C																															
70.50	F	EUT	EUTELSAT 3-70.5E	N																															
70.50	F	EUT	EUTELSAT-E-70.5E	N																															
70.50	F		F-SAT-KU3-E-70.5E	N																															
70.50	F		F-SAT-N3-70.5E	C																															
70.50	F		F-SAT-N5-70.5E	C																															
70.50	F		F-SAT-N-E-70.5E	C																															
70.50	F		F-SAT-N-E-70.5E	N																															
70.50	IRN		IRANSAT-70.5E	C																															
71.00	CHN		ASIASAT-71R	C																															
71.00	CHN		ASIASAT-71U	C																															
71.40	ARM		ARMSAT1	C																															
72.00	AUS		DEF-R-SAT-2A	N																															
72.00	USA		FLTSATCOM-C INDOC-2	N																															
72.00	F		HORIZONSAT-5	C																															
72.00	IRN		IRANSAT-72E	C																															
72.00	USA		IRIS-5B	C																															
72.00	USA		KASATCOM-3	N																															
72.00	USA		USASAT-14J	N																															
72.00	USA		USASAT-14J-2	N																															
72.00	USA		USASAT-60R	C																															
72.10	AUS		ADF UHF-2	N																															
72.10	F		AST-ERIX-72.1E	C																															
72.50	G		IOMSAT-G1-2	C																															
72.50	UAE		MADAR-72.5E	C																															
72.50	UAE		MADAR-72.5E-2	C																															
72.50	UAE		MADAR-72.5E-3	C																															
73.00	CHN		CHNNEWSAT-G1-73E	C																															
73.00	G		GANTS-1	C																															
73.00	SUI		INMARSAT-7-73E	C																															
73.00	KAZ		KAZSAT12	C																															
73.00	USA		USOBO-7B	C																															
73.50	F		F-SAT-N3-73.5E	C																															
73.50	OMA		OMANSAT-73.5E	C																															
73.50	QAT		QATARSAT-G3-19	C																															
73.50	QAT		QATARSAT-G4-73.5E	C																															
74.00	IND		GSAT-NS (74E)	C																															
74.00	IND		INSAT-1B	N																															
74.00	IND		INSAT-2 (74)	N																															
74.00	IND		INSAT-2E74	N																															
74.00	IND		INSAT-2K (74)	N																															
74.00	IND		INSAT-2M (74)	N																															
74.00	IND		INSAT-2T (74)	N																															

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74.00	IND		INSAT-EK74	N																																
74.00	IND		INSAT-EK74R	N																																
74.00	IND		INSAT-G5 (74)	C																																
74.00	IND		INSAT-G5 (74)	N																																
74.00	IND		INSAT-KA74E	C																																
74.00	IND		INSAT-KAUHF (74)	N																																
74.00	IND		INSAT-KU11 (74) E	C																																
74.00	IND		INSAT-KU11 (74) E	N																																
74.00	IND		INSAT-KU17 (74E)	C																																
74.00	IND		INSAT-META (74E)	C																																
74.00	IND		INSAT-TTC (74) E	N																																
75.00	USA		FLTSATCOM-C INDOC-3	N																																
75.00	RUS	IK	INTERBELAR-2	N																																
75.00	RUS	IK	INTERSPUTNIK-75E-CK	N																																
75.00	RUS	IK	INTERSPUTNIK-75E-Q	C																																
75.00	RUS	IK	INTERSPUTNIK-75E-Q	N																																
75.00	USA		IRIS-6A	C																																
75.00	USA		IRIS-6A	N																																
75.00	PNG		PACIFISAT KA-75E	C																																
75.00	PNG		PACIFISAT KA-75E	N																																
75.00	PNG		PACIFISAT-1	N																																
75.00	PNG		PACIFISAT-S-75E	C																																
75.00	USA		USCSID-A3	N																																
75.00	USA		USMB-10	N																																
75.00	USA		USMB-10A	C																																
75.75	CYP		KYPROS-75.75E	C																																
76.00	RUS		GOMS-M	N																																
76.50	CHN		APSTAR-4	N																																
76.50	CHN		APSTAR-76E	N																																
76.50	CHN		APSTAR-76E-R	C																																
76.50	RUS		GT-SAT-76.5E	C																																
77.00	RUS		CSSRD-2	N																																
77.00	CHN		CTDRS-1-77E	N																																
77.00	CHN		CTDRS-2-77E	A																																
77.00	CHN		CTDRS-2-77E	C																																
77.00	CHN		CTDRS-2-77E	N																																
77.00	QAT		QATARSAT-G5-77E	C																																
77.10	IND		INSAT-KA77.1E	C																																
77.10	IND		INSAT-KU77.1E	C																																
77.50	IRN		IRANSAT-77.5E	C																																
77.50	KAZ		KAZSAT7S	C																																
77.50	QAT		QATARSAT-G3-20	C																																
77.50	QAT		QATARSAT-G4-77.5E	C																																
78.00	ISR		AMS-C11-78E	C																																

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78.00	ARS	ARB	ARABSAT-AS-78ER	C																																	
78.00	E		HISPASAT-61A	C																																	
78.00	SUI		INMARSAT-7-78E	C																																	
78.00	PNG		PACIFISAT-78E	C																																	
78.00	E		SECOMSAT-2-78E	C																																	
78.00	E		SECOMSAT-78E	C																																	
78.20	CHN		CHNNEWSAT-G1-78.2E	C																																	
78.50	MLA		MEASAT-78.5E-C	C																																	
78.50	MLD		MVSAT-78.5E	C																																	
78.50	THA		THAICOM-A2	N																																	
78.50	THA		THAICOM-A2B	N																																	
78.50	THA		THAICOM-AK2	N																																	
78.50	THA		THAICOM-G1K	N																																	
78.50	THA		THAICOM-LSX2R	C																																	
78.50	THA		THAICOM-N2	N																																	
78.50	THA		THAICOM-Q2	C																																	
78.50	USA		USGOVSAT-18A	C																																	
79.00	UAE		EMARSAT-9I	C																																	
79.00	CHN		FYGEOSAT-A-79E	C																																	
79.00	UAE		MADAR-79E	C																																	
79.60	CHN		CHINASAT-34A	N																																	
80.00	CHN		CHINASAT-31	N																																	
80.00	CHN		COMPASS-80E	C																																	
80.00	CHN		COMPASS-80E	N																																	
80.00	CHN		COMPASS-A-80E	A																																	
80.00	CHN		COMPASS-A-80E	C																																	
80.00	CHN		CTDRS-1-80E	N																																	
80.00	CHN		CTDRS-2-80E	A																																	
80.00	CHN		CTDRS-2-80E	C																																	
80.00	RUS		EXPRESS-6	N																																	
80.00	RUS		EXPRESS-6B	C																																	
80.00	RUS		EXPRESS-6B	N																																	
80.00	RUS		EXPRESS-6KA	N																																	
80.00	RUS		FOTON-2	N																																	
80.00	RUS		POTOK-2	N																																	
80.00	RUS		PROGNOZ-4	N																																	
80.00	RUS		STATSIONAR-1	N																																	
80.00	RUS		VOLNA-8R	C																																	
80.00	RUS		VOLNA-8R	N																																	
80.30	CHN		COMPASS-80.3E	C																																	
80.50	F		F-SAT-N4-80.5E	C																																	
80.50	F		F-SAT-N5-80.5E	C																																	
81.00	IRN		IRANSAT-81E	C																																	
81.00	TUR		TURKSAT-81E-F	C																																	

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81.50	ARS	ARB	ARABSAT-9AS-81.5E	C																																
81.50	ARS	ARB	ARABSAT-AS-81.5ER	C																																
81.50	CHN		CHNSAT-81.5E	C																																
81.50	CHN		CHNSAT-81.5E	N																																
81.75	RUS		YAMAL-E3	N																																
81.75	RUS		YAMAL-E3M	C																																
81.75	RUS		YAMAL-E3M1	C																																
82.00	AUS		DEF-R-SAT-1A	N																																
82.00	IND		INSAT-MET82E	N																																
82.00	IND		INSAT-METB (82E)	C																																
82.00	IND		INSAT-TTC (82) E	C																																
82.00	IND		INSAT-TTC (82) E	N																																
82.00	J		N-SAT2-82E	C																																
82.00	J		N-SAT-82E	N																																
82.00	J		N-SAT-Y13-82E	C																																
82.00	J		N-SAT-Y15-82E	C																																
82.00	J		N-SAT-Y18-82E	C																																
82.00	G		SENTIENT-1	C																																
82.00	USA		USCSID-A4	N																																
82.00	USA		USGGR-8	N																																
82.00	USA		USMB-11	N																																
82.00	USA		USMB-11A	C																																
82.50	ISR		AMS-C1-82.5E	C																																
82.50	ISR		AMS-C3-82.5E	C																																
82.50	ISR		AMS-C8-82.5E	C																																
82.50	IND		INSAT-C17 (82.5E)	C																																
82.50	IND		INSAT-EHFL-82.5E	C																																
82.50	IND		INSAT-KA82.5E	C																																
83.00	IND		GSAT-NS (83E)	C																																
83.00	IND		INSAT-2 (83)	N																																
83.00	IND		INSAT-2E83	N																																
83.00	IND		INSAT-2K (83)	N																																
83.00	IND		INSAT-2M (83)	N																																
83.00	IND		INSAT-EK83	N																																
83.00	IND		INSAT-EK83R	N																																
83.00	IND		INSAT-KU17 (83E)	C																																
83.00	IND		INSAT-METC (83E)	C																																
83.00	IND		INSAT-NAVR (83)	C																																
83.00	IND		INSAT-NAVR (83)	N																																
83.00	IND		INSAT-TTC (83) E	N																																
83.00	MLA		MEASAT-ROUTE-6	C																																
83.50	F		F-SAT-N4-83.5E	C																																
83.50	F		F-SAT-N5-83.5E	C																																
83.50	G		INMARSAT-6-83E5	C																																

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83.50	G		INMARSAT-KA 83.5E	C																																
83.50	CHN		ITS-AR-83.5E	C																																
83.50	NOR		SE-KA-83.5E	C																																
83.75	RUS		PRSS-83.75E	C																																
84.00	CHN		CHINASAT-34B	N																																
84.00	CHN		COMPASS-A-84E	A																																
84.00	CHN		COMPASS-A-84E	C																																
84.00	CHN		COMPASS-B-84E	C																																
84.00	CHN		COMPASS-B-84E	N																																
84.50	CHN		QXSI-84.5E-EX-L	C																																
85.00	RUS		GALS-3	C																																
85.00	RUS		GALS-3	N																																
85.00	USA		INTELSAT KFOS 85E	N																																
85.00	USA		INTELSAT6 85E	N																																
85.00	USA		INTELSAT7 85E	N																																
85.00	USA		INTELSAT8 85E	N																																
85.00	UAE		MADAR-85E	C																																
85.00	PNG		NEW DAWN 34	C																																
85.00	PNG		NEW DAWN 34	N																																
85.00	RUS		STATSIONAR-3	N																																
85.00	USA		TDRS 85E	A																																
85.00	USA		TDRS 85E	N																																
85.00	RUS		TOR-4	N																																
85.00	RUS		TOR-4M	N																																
85.00	USA		USASAT-55N	C																																
85.00	USA		USTRO-9	N																																
85.00	RUS		VOLNA-5	N																																
85.15	J		N-SAT-Y17-85.15E	C																																
85.20	HOL		NSS-G4-25	C																																
85.30	INS		NUSANTARA-H2-A	C																																
85.30	PNG		PACIFISAT-8	C																																
85.30	PNG		PACIFISAT-8	N																																
85.30	PNG		PACIFISAT-85.3E	C																																
85.40	RUS		SADKO-1	N																																
85.40	RUS		STATSIONAR-D5	N																																
85.50	CHN		CHINASAT-E-85.5E	C																																
85.50	IND		INSAT-C17 (85.5E)	C																																
85.50	IND		INSAT-KA85.5E	C																																
86.00	G		INMARSAT-6-86E	C																																
86.00	NOR		SE-6-86E	C																																
86.00	USA		USGOVSAT-19A	C																																
86.50	CHN		FY-2B	N																																
86.50	CHN		FY-2BS	N																																
86.50	CHN		FYGEOSAT-86.5E	C																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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86.50	CHN		FYGEOSAT-86.5E	N																																	
86.50	CHN		FYGEOSAT-A-86.5E	C																																	
86.50	KAZ		KAZSAT2	N																																	
86.50	KAZ		KAZSAT2A	C																																	
86.50	KAZ		KAZSAT2M	N																																	
86.50	KAZ		KAZSAT2R	C																																	
86.50	RUS		KUPON-4M	N																																	
87.00	F		F-SAT-N4-87E	C																																	
87.00	F		F-SAT-N5-87E	C																																	
87.00	IRN		IRANSAT-87E	C																																	
87.00	CYP		KYPROS-HEMERA-1	C																																	
87.00	MLA		MEASAT-87E-B	C																																	
87.50	CHN		CHINASAT-1	N																																	
87.50	CHN		CHINASAT-A5	C																																	
87.50	CHN		CHINASAT-D-87.5E	C																																	
87.50	CHN		CHINASAT-E-87.5E	C																																	
87.50	CHN		DFH-3-OC	N																																	
87.50	CHN		DFH-3-OC M	N																																	
87.50	SUI		INMARSAT-7-87E5	C																																	
87.50	USA		USOBO-8B	C																																	
88.00	AUS		ADF WEST-2	N																																	
88.00	AUS		DDSP-2	N																																	
88.00	J		N-SAT2-88E	C																																	
88.00	J		N-SAT-Y17-88E	C																																	
88.00	SNG		ST-1A	N																																	
88.00	SNG		ST-1A-CK	N																																	
88.00	SNG		ST-2A-CK	C																																	
88.00	SNG		ST-2A-CK	N																																	
88.20	CHN		ASIASAT-88.2Q	C																																	
88.50	F		F-SAT-N4-88.5E	C																																	
88.50	F		F-SAT-N5-88.5E	C																																	
89.00	IND		INSAT-KA89E	C																																	
89.00	USA		TDRS 89E	A																																	
89.00	USA		TDRS 89E	N																																	
89.50	CYP		KYPROS-ARES-3	C																																	
89.50	CYP		KYPROS-ORION	C																																	
89.50	CYP		ONETEL-89.5E	C																																	
89.80	CHN		STARTIME-3	C																																	
90.00	F		EDRS-90	A																																	
90.00	RUS		EXPRESS-7	N																																	
90.00	RUS		EXPRESS-7B	N																																	
90.00	RUS		EXPRESS-7C	N																																	
90.00	CHN		GC-11B	C																																	
90.00	CYP		KYPROS-APHRODITE-2	C																																	

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90.00	RUS		LOUTCH-3	N																																
90.00	USA		MILSTAR 5	N																																
90.00	CYP		ONETEL-90E	C																																
90.00	RUS		STATSIONAR-6	N																																
90.00	USA		USGAE-3A	C																																
90.00	USA		USTRO-7	N																																
90.00	RUS		VOLNA-8	N																																
90.00	RUS		YAMAL-KA2M	C																																
90.50	J		QZSS-GS1	C																																
90.50	J		QZSS-GS-A1	C																																
90.75	J		DRS-90.75E	C																																
90.75	J		DRTS-90.75E	N																																
90.75	J		N-SAT-90.75E	N																																
90.75	J		N-SAT-Y17-90.75E	C																																
91.50	UAE		MADAR-91.5E	C																																
91.50	MLA		MEASAT-1	N																																
91.50	MLA		MEASAT-1A	N																																
91.50	MLA		MEASAT-1B	C																																
91.50	MLA		MEASAT-1R	N																																
91.50	MLA		MEASAT-91.5E	N																																
91.50	MLA		MEASAT-AK 91.5	N																																
91.50	MLA		MEASAT-IC 91.5	N																																
92.00	USA		P-197-7	N																																
92.00	USA		P92-8	N																																
92.00	USA		P92-8A	A																																
92.00	USA		P92-8A	C																																
92.00	USA		USCSID-A5	N																																
92.00	USA		USLL-PAC3	A																																
92.00	USA		USLL-PAC3	C																																
92.00	USA		USLL-PAC3	N																																
92.00	USA		USMB-12	N																																
92.00	USA		USMB-12A	C																																
92.20	CHN		APSTAR-92E	N																																
92.20	CHN		CHINASAT-92.2E	N																																
92.20	CHN		CHNBSAT-92.2E	N																																
92.20	CHN		CHNBSAT-K-92.2E	C																																
92.20	CHN		SINOSAT-92.2E	N																																
92.50	CHN		APSTAR-92.5E	C																																
92.50	J		DRS-92.5E	C																																
93.00	AUS		DEF-R-SAT-3A	N																																
93.00	RUS		GT-SAT-93E	C																																
93.00	J		JMCS-93E	N																																
93.00	J		JMCS-93E-R	C																																
93.00	KOR		KOREASAT-93E-MT2	C																																

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93.00	J		N-SAT2-93E	C																															
93.00	J		N-SAT-93E	N																															
93.00	J		N-SAT-Y15-93E	C																															
93.00	J		N-SAT-Y18-93E	C																															
93.00	USA		USGAE-11A	C																															
93.50	IND		GSAT-NS (93.5E)	C																															
93.50	IND		IND-SATS-93.5E	C																															
93.50	IND		INSAT-2 (93.5)	N																															
93.50	IND		INSAT-2E93.5	N																															
93.50	IND		INSAT-2K (93.5)	N																															
93.50	IND		INSAT-2M (93.5)	N																															
93.50	IND		INSAT-2T (93.5)	N																															
93.50	IND		INSAT-EK93.5	N																															
93.50	IND		INSAT-EK93.5R	N																															
93.50	IND		INSAT-KA93.5E	C																															
93.50	IND		INSAT-KU17 (93.5E)	C																															
93.50	IND		INSAT-METD (93.5E)	C																															
93.50	IND		INSAT-NAV (93.5)	C																															
93.50	IND		INSAT-TTC (93.5) E	N																															
94.00	USA		USOBO-9B	C																															
94.20	CHN		DFH-5-01A	C																															
95.00	RUS		CSDRN	N																															
95.00	RUS		CSDRN-M	A																															
95.00	RUS		CSDRN-M	C																															
95.00	RUS		CSDRN-M	N																															
95.00	AUS		DDSP-4	C																															
95.00	G		HMG-SAT-01A	C																															
95.00	HOL		INTELSAT KA 95E	N																															
95.00	HOL		INTELSAT5A 95E	N																															
95.00	HOL		INTELSAT7 95E	N																															
95.00	HOL		INTELSAT8 95E	N																															
95.00	HOL		NSS-9	N																															
95.00	HOL		NSS-BSS 95E TTC	N																															
95.00	HOL		NSS-G2-18	C																															
95.00	HOL		NSS-G2-18	N																															
95.00	HOL		NSS-G4-26	C																															
95.00	HOL		NSS-G8-95E	C																															
95.00	HOL		NSS-KA41	N																															
95.50	J		DRS-95.5E	C																															
95.50	INS		NUSANTARA-B3-A	C																															
95.60	AUS		DEF-R-SAT-6B	C																															
96.00	F		F-SAT-N4-96E	C																															
96.00	CHN		SIGNSAT-96E	C																															
96.00	USA		USGAE-13A	C																															

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96.10	CBG		CBGSAT-96.1E	C																															
96.50	RUS		EXPRESS-8	N																															
96.50	RUS		EXPRESS-8B	N																															
96.50	RUS		VOLNA-5R	N																															
97.00	G		HMG-SAT-01	C																															
97.00	KOR		KOREASAT-97E-MT2	C																															
97.00	KOR		KTSAT-97E	C																															
97.00	MLA		MEASAT-3B	C																															
97.00	G		UKSAT-32	C																															
97.30	IND		INSAT-C-Y17 (97.3E)	C																															
97.30	IND		INSAT-KA97.3E	C																															
97.50	VTN		VNSAT-2A2	C																															
98.00	CHN		CHINASAT-22	N																															
98.00	CHN		CHINASAT-3	N																															
98.00	CHN		CHINASAT-44	N																															
98.00	CHN		CHINASAT-64	N																															
98.00	CHN		DFH-3A-OC	N																															
98.00	RUS		PROGNOZ-8	N																															
98.20	CHN		CHNSAT-98E	C																															
98.20	CHN		CHNSAT-98E	N																															
98.50	UAE		EMARSAT-10S	C																															
98.50	UAE		EMARSAT-13S	C																															
98.50	UAE		EMARSAT-4S	N																															
98.50	UAE		EMARSAT-7S	N																															
98.50	J		N-SAT2-98.5E	C																															
99.00	RUS		ENSAT-KA-99E	C																															
99.00	QAT		QATARSAT-G3-24	C																															
99.00	RUS		STATSIONAR-T	N																															
99.00	RUS		STATSIONAR-T2	N																															
99.50	CHN		FYGEOSAT-99.5E	N																															
99.50	CHN		FYGEOSAT-A-99.5E	C																															
100.00	USA		FLTSATCOM-A INDOC-4	N																															
100.00	HOL		NSS-TTC-100E	C																															
100.00	USA		USLL-PAC4	A																															
100.00	USA		USLL-PAC4	C																															
100.00	USA		USLL-PAC4	N																															
100.00	USA		USNN-4	N																															
100.30	CHN		ASIASAT-100.3U	C																															
100.50	CHN		ASIASAT-100.5Q	C																															
100.50	CHN		ASIASAT-100.5T	C																															
100.50	CHN		ASIASAT-E	N																															
100.50	CHN		ASIASAT-EK1	N																															
100.50	CHN		ASIASAT-EKS	N																															
100.50	CHN		ASIASAT-EKX	N																															

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100.50	CHN		ASIASAT-EKZ	N																																	
100.70	CHN		ASIASAT-100.7U	C																																	
100.75	CYP		KYPROS-100.75E	C																																	
101.00	IND		INSAT-KA101E	C																																	
101.40	CHN		CHNSAT-K-101.4E	C																																	
101.40	CHN		CHNSAT-M-101.4E	C																																	
101.50	CHN		CHINASAT-45	N																																	
101.50	CHN		CHNEWSAT-G1-101.5E	C																																	
102.50	VTN		VNSAT-4A12	C																																	
103.00	CHN		CHINASAT-65	N																																	
103.00	CHN		CHNSAT-103E	C																																	
103.00	CHN		CHNSAT-103E	N																																	
103.00	CHN		DFH-3-OB	N																																	
103.00	CHN		DFH-4-OB	N																																	
103.00	RUS		EXPRESS-9	N																																	
103.00	RUS		EXPRESS-9B	N																																	
103.00	F		F-SAT-N6-103E	C																																	
103.00	INS		NUSANTARA-B4-A	C																																	
103.00	RUS		STATSIONAR-21	N																																	
103.00	CHN		STW-2	N																																	
103.00	USA		USGON-3	N																																	
103.00	USA		USOBO-17B	C																																	
103.00	USA		USTRO-8	N																																	
103.20	KOR		KOREASAT-103.2E-MT2	C																																	
104.00	AUS		ADF WEST-5	N																																	
104.00	AUS		DDSP-104E	N																																	
104.00	G		UKSAT-24	C																																	
104.50	IND		INSAT-KA104.5E	C																																	
105.00	AUS		ASIABSS	N																																	
105.00	CHN		FY-2A	N																																	
105.00	CHN		FY-2AS	N																																	
105.00	CHN		FYGEOSAT-105E	C																																	
105.00	CHN		FYGEOSAT-105E	N																																	
105.00	CHN		FYGEOSAT-A-105E	C																																	
105.00	PNG		NYBSS	C																																	
105.20	F		CD-SAT 105.2E	C																																	
105.20	F		CD-T-SAT-105.2E	C																																	
105.30	CHN		ASIASAT-105.3T	C																																	
105.50	CHN		ASIASAT-1	N																																	
105.50	CHN		ASIASAT-105.5Q	C																																	
105.50	CHN		ASIASAT-105.5T	C																																	
105.50	CHN		ASIASAT-CK	N																																	
105.50	CHN		ASIASAT-CK1	N																																	
105.50	CHN		ASIASAT-CKS	N																																	

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105.50	CHN		ASIASAT-CKW	N																																	
105.50	CHN		ASIASAT-CKX	N																																	
105.50	CHN		ASIASAT-CKZ	N																																	
105.50	CHN		QXSI-105.5E-EX-L	C																																	
105.60	CHN		GC-4-105.6E	C																																	
105.60	CHN		GC-4-105.6E	N																																	
106.00	INS		CSM-106	C																																	
106.50	USA		USMB-13	N																																	
107.00	NOR		SE-KA-107E	C																																	
107.50	CHN		DFH-5-01B	C																																	
107.50	CHN		DFH-5-01B	N																																	
107.50	G		HMG-SAT-02	C																																	
107.50	SUI		INMARSAT-7-107E5	C																																	
107.50	IND		INSAT-KA107.5E	C																																	
107.70	INS		INDOSTAR-107.7XS	C																																	
108.00	INS		NUSANTARA-B1-E	C																																	
108.00	INS		NUSANTARA-TS1-A	C																																	
108.00	INS		PALAPA-B1	N																																	
108.00	INS		PALAPA-B1-EC	N																																	
108.00	INS		PALAPA-C2	N																																	
108.00	INS		TELKOM-108E	C																																	
108.20	G		AM-SAT A4	N																																	
108.20	G		AM-SAT-108.2E-G	N																																	
108.20	G		GIBSAT-108.2E	C																																	
108.20	G		GIBSAT-108.2E	N																																	
108.20	INS		INDOSTAR-108.2XS	C																																	
108.20	INS		INDOSTAR-110E	N																																	
108.20	INS		INDOSTAR-110E-K	C																																	
108.20	INS		INDOSTAR-110E-K	N																																	
108.20	LUX		LUX-G10-108.2E	C																																	
108.20	LUX		LUX-G5-25	N																																	
108.20	LUX		LUX-G7-20	C																																	
108.20	LUX		LUX-G7-20	N																																	
108.20	HOL		NSS-BSS 108.2E TTC	N																																	
108.20	HOL		NSS-G4-27	C																																	
108.40	G		GIBSAT-108.4E	C																																	
108.40	LUX		LUX-G9-21	C																																	
108.50	F		F-SAT-N4-108.5E	C																																	
108.50	F		F-SAT-N5-108.5E	C																																	
108.50	G		INMARSAT-6-108.5E	C																																	
108.50	NOR		SE-6-108.5E	C																																	
109.00	RUS		ENSAT-KA-109E	C																																	
109.65	J		NBSAT-21CX	C																																	
109.65	J		TAIKI-109.65	N																																	

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
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109.85	J		BSAT-109.85	N																															
109.85	J		NBSAT-21BX	C																															
110.00	J		BSAT-110	N																															
110.00	J		JMCS-110E	C																															
110.00	J		JMCS-2	N																															
110.00	J		JMCS-D2-X	C																															
110.00	J		JMCS-D2-X	N																															
110.00	J		NBSAT-21AX	C																															
110.00	J		N-SAT-110	N																															
110.00	J		N-SAT-110E	N																															
110.00	J		N-SAT-Y12-110E	C																															
110.00	J		N-SAT-Y12-110E	N																															
110.00	J		N-SAT-Y15-110E	C																															
110.00	USA		P-197-8	C																															
110.00	USA		P-197-8	N																															
110.00	USA		P92-9	C																															
110.00	USA		P92-9	N																															
110.00	USA		P92-9A	A																															
110.00	USA		P92-9A	C																															
110.00	USA		USCSID-A6	N																															
110.00	USA		USGGR-11	N																															
110.00	USA		USLL-PAC5	A																															
110.00	USA		USLL-PAC5	C																															
110.00	USA		USLL-PAC5	N																															
110.50	CHN		CHINASAT-2	N																															
110.50	CHN		CHINASAT-33	N																															
110.50	CHN		CHINASAT-6	N																															
110.50	CHN		CHINASAT-D-110.5E	C																															
110.50	CHN		CHINASAT-DL4	C																															
110.50	CHN		CHINASAT-E-110.5E	C																															
110.50	CHN		COMPASS-110.5E	C																															
110.50	CHN		COMPASS-110.5E	N																															
110.50	CHN		COMPASS-A-110.5E	A																															
110.50	CHN		COMPASS-A-110.5E	C																															
110.50	CHN		DFH-3A-OB	N																															
110.50	CHN		SINOSAT-5	N																															
111.00	INS		CSM-111	C																															
111.00	USA		USGAE-12M	N																															
111.50	F		F-SAT-N4-111.5E	C																															
111.50	IND		INSAT-KA111.5E	C																															
111.50	IND		INSAT-KU10(111.5)E	N																															
111.50	IND		INSAT-KU17(111.5E)	C																															
112.00	RUS		ENSAT-KA-112E	C																															
112.00	CHN		FYGEOSAT-112E	C																															

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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112.00	CHN		FYGEOSAT-112E	N																																
112.00	CHN		FYGEOSAT-A-112E	C																																
112.50	VTN		VNSAT-112.5E	C																																
113.00	ISR		AMS-C8-113E	C																																
113.00	CHN		CHINASAT-E-113E	C																																
113.00	KOR		HANSAT-113E	C																																
113.00	KOR		INFOSAT-B	N																																
113.00	KOR		KOREASAT-113E	N																																
113.00	KOR		KOREASAT-113K	C																																
113.00	KOR		KOREASAT-113X	N																																
113.00	KOR		KOREASAT-2	N																																
113.00	KOR		KTSAT-113E	C																																
113.00	INS		NUSANTARA-NS1-A	C																																
113.00	INS		PALAPA-B2	N																																
113.00	INS		PALAPA-C1	N																																
113.00	INS		PALAPA-C1-B	C																																
113.00	INS		PALAPA-C1-K	N																																
113.20	LUX		LUX-G9-22	C																																
113.60	MNG		SANSAR-2	C																																
114.00	IND		INSAT-KA114E	C																																
114.50	KOR		KOREASAT-114.5K	C																																
114.50	KOR		KTSAT-114.5E	C																																
114.50	MLA		MEASAT-ROUTE-1C	C																																
115.30	CYP		KYPROS-115.3E	C																																
115.50	CHN		CHINASAT-115.5E	N																																
115.50	CHN		CHINASAT-D-115.5E	C																																
115.50	CHN		CHINASAT-DL5	C																																
115.50	CHN		CHINASAT-E-115.5E	C																																
115.50	CHN		CHINASAT-MSB4	N																																
115.50	CHN		CHINASAT-ROUTE7	C																																
115.50	CHN		CHINASAT-ROUTE7	N																																
115.50	CHN		DFH-3-OD	N																																
115.50	CHN		DFH-4-OD	N																																
115.50	CHN		DFH-5-OD	N																																
116.00	KOR		HANSAT-116E	C																																
116.00	KOR		INFOSAT-C	N																																
116.00	KOR		KOREASAT-1	N																																
116.00	KOR		KOREASAT-116	C																																
116.00	KOR		KOREASAT-116.0E	C																																
116.00	KOR		KOREASAT-116A	C																																
116.00	KOR		KOREASAT-116K	C																																
116.00	KOR		KTSAT-116E	C																																
116.10	INS		NUSANTARA-H1-A	C																																
116.10	PNG		PACIFISAT-116.1E	C																																

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116.10	PNG		PACIFISAT-9	C																																	
116.10	PNG		PACIFISAT-9	N																																	
116.20	KOR		GK2-116.2E	C																																	
117.40	F		F-SAT-N4-117.4E	C																																	
117.50	G		INMARSAT-6-117E5	C																																	
117.50	IND		INSAT-KA117.5E	C																																	
117.50	NOR		SE-KA-117.5E	C																																	
117.50	VTN		VNSAT-1A3	C																																	
117.75	RUS		PRSS-117.75E	C																																	
117.80	CHN		DFH-5-04A	C																																	
117.90	F		AST-IKAU-117.9E	C																																	
118.00	CHN		ASIASAT-118R	C																																	
118.00	CHN		CHNEWSAT-G1-118E	C																																	
118.00	CHN		CHNSAT-118E	C																																	
118.00	INS		INDOSTAR-118XS	C																																	
118.00	INS		NUSANTARA-B2-F	C																																	
118.00	INS		PALAPA-B3	N																																	
118.00	INS		PALAPA-B3 TT&C	N																																	
118.00	INS		PALAPA-B3-EC	N																																	
118.00	INS		PALAPA-C3	N																																	
118.00	INS		PALAPA-C3-K	N																																	
118.30	CHN		QXSI-118.3E-EX-L	C																																	
119.50	CHN		CHINASAT-E-119.5E	C																																	
119.50	G		IOMSAT-119.5E	C																																	
119.50	MLD		MVSAT-119.4E	C																																	
119.50	PNG		RAGGIANA-21	C																																	
119.50	THA		THAICOM-IP1	N																																	
119.50	THA		THAICOM-LSX3R	C																																	
119.50	THA		THAICOM-P3	C																																	
120.00	CHN		ASIASAT-120V	N																																	
120.00	CHN		DFH-5-04B	C																																	
120.00	THA		THAICOM-A3	N																																	
120.00	THA		THAICOM-A3B	N																																	
120.00	THA		THAICOM-G2K	N																																	
120.00	THA		THAICOM-N3	N																																	
120.50	INS		CSM-120	C																																	
120.50	IND		INSAT-NAVR(120.5)	C																																	
121.00	AUS		DEF-R-SAT-4B 121.0E	N																																	
121.25	CYP		KYPROS-121.25E	C																																	
121.50	IND		INSAT-NAVR(121.5)	C																																	
121.90	CHN		ASIASAT-121.9Q	C																																	
122.00	CHN		ASIASAT-122T	C																																	
122.00	CHN		ASIASAT-A	N																																	
122.00	CHN		ASIASAT-AAA	C																																	

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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122.00	CHN		ASIASAT-AK	N																																	
122.00	CHN		ASIASAT-AK1	N																																	
122.00	CHN		ASIASAT-AKS	N																																	
122.00	CHN		ASIASAT-AKX	N																																	
122.00	CHN		QXSI-122E-EX-L	C																																	
122.20	CHN		ASIASAT-AKZ	N																																	
123.00	UAE		EMARSAT-13P	C																																	
123.00	INS		GARUDA-2	N																																	
123.00	CYP		KYPROS-ATLAS-3	C																																	
123.00	INS		NUSANTARA-A1-A	C																																	
123.00	J		QZSS-GS3	C																																	
123.00	J		QZSS-GS-A3	C																																	
123.00	S		SMMSAT-11	C																																	
123.50	F		F-SAT-N4-123.5E	C																																	
123.50	F		F-SAT-N6-123.5E	C																																	
123.50	CHN		FY-2C	N																																	
123.50	CHN		FY-2CS	N																																	
123.50	CHN		FYGEOSAT-123.5E	C																																	
123.50	CHN		FYGEOSAT-123.5E	N																																	
123.50	CHN		FYGEOSAT-A-123.5E	C																																	
123.50	IND		INSAT-NAVR (123.5)	C																																	
124.00	J		JCSAT-3B	N																																	
124.00	J		JCSAT-FO-124E	N																																	
124.00	J		N-SAT-124E	C																																	
124.00	J		N-SAT-124E	N																																	
124.00	J		N-SAT-Y12-124E	C																																	
124.00	J		N-SAT-Y15-124E	C																																	
124.00	J		SJC-1	N																																	
125.00	RUS		BRASLET-125E	C																																	
125.00	CHN		CHINASAT-49	N																																	
125.00	CHN		CHINASAT-D-125E	C																																	
125.00	CHN		CHINASAT-DL6	C																																	
125.00	CHN		CHINASAT-E-125E	C																																	
125.00	CHN		CHINASAT-MSB5	N																																	
125.00	CHN		CHINASAT-ROUTE8	C																																	
125.00	CHN		CHINASAT-ROUTE8	N																																	
125.00	CHN		DFH-3-OA	N																																	
125.00	CHN		DFH-4-OA	N																																	
125.00	USA		IRIS-11B	C																																	
125.00	CHN		STW-1	N																																	
125.70	CHN		CHNBSAT-K-125.7E	C																																	
126.00	CHN		CHINASAT-C20	C																																	
126.00	LAO		LSTAR-126E	C																																	
126.00	THA		THAI COM-P5	C																																	

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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126.50	IND		INSAT-NAVR (126.5)	C																																
126.90	F		AST-IKAU-126.9E	C																																
127.00	UAE		EMARSAT-11G/M	C																																
127.00	UAE		EMARSAT-9G/M	C																																
127.00	F		F-SAT-N4-127E	C																																
127.00	F		F-SAT-N6-127E	C																																
127.00	J		QZSS-GS4	C																																
127.00	J		QZSS-GS4	N																																
127.00	J		QZSS-GS-A4	C																																
127.50	RUS	IK	IK-127.5E	C																																
127.50	SUI		INMARSAT-7-127E5	C																																
127.50	IND		INSAT-NAVR (127.5)	C																																
127.50	J		JCSAT-T-127.5E	N																																
127.50	LUX		LUX-G9-24	C																																
128.00	RUS		GALS-10	C																																
128.00	RUS		GALS-10	N																																
128.00	G		IOMSAT-128E	C																																
128.00	J		JCSAT-3A	N																																
128.00	J		JCSAT-FO-128E	N																																
128.00	J		N-SAT-128	N																																
128.00	J		N-SAT-Y12-128E	C																																
128.00	J		N-SAT-Y15-128E	C																																
128.00	J		N-SAT-Y18-128E	C																																
128.00	RUS		STATSIONAR-128E	C																																
128.00	RUS		STATSIONAR-128E	N																																
128.00	RUS		STATSIONAR-15	N																																
128.00	RUS		STATSIONAR-D6	N																																
128.00	RUS		TOR-6	N																																
128.00	RUS		TOR-6M	N																																
128.00	RUS		VOLNA-9	N																																
128.20	KOR		COMS-128.2E	N																																
128.20	KOR		GEO-KOMPSAT-2-128.2E	C																																
128.20	KOR		GK2-128.2E	C																																
128.20	KOR		GK2-128.2E	N																																
128.20	KOR		HANSAT-128.2E	C																																
128.20	KOR		KOREASAT-128.2E	C																																
128.50	LAO		LAOSAT-128.5E	C																																
128.50	LAO		LAOSAT-128.5E	N																																
128.50	LAO		LAOSAT-128.5E-A	C																																
129.50	IND		INSAT-EHFL-129.5E	C																																
129.50	IND		INSAT-NAVR (129.5)	C																																
129.50	VTN		VTN129.5	C																																
130.00	CHN		CHINASAT-4	N																																
130.00	CHN		CHNSAT-130E	N																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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130.00	CHN		CHNSAT-2-130E	C																																	
130.00	CHN		CHNSAT-2-130E	N																																	
130.00	CHN		DFH-3A-OD	N																																	
130.00	RUS		GALS-5	N																																	
130.00	G		IOMSAT 130E	C																																	
130.00	CYP		KYPROS-130E	C																																	
130.00	RUS		PROGNOZ-5	N																																	
130.00	RUS		PRSS-130E	C																																	
130.00	CHN		SINOSAT-3C	N																																	
130.00	RUS		TOR-10M	N																																	
130.60	USA		USOBO-10B	C																																	
131.00	CHN		APSTAR-1	N																																	
131.90	VTN		VIETSAT-132	N																																	
132.00	J		D-STAR-1	N																																	
132.00	F		EDRS-132	A																																	
132.00	J		JCSAT-FO-132E	N																																	
132.00	J		N-SAT-Y12-132E	C																																	
132.00	J		N-SAT-Y15-132E	C																																	
132.00	J		N-SAT-Y18-132E	C																																	
132.00	J		N-STAR-A	N																																	
132.00	J		N-STAR-A2	N																																	
132.00	J		N-STAR-F	N																																	
132.00	VTN		VIETSAT132	C																																	
132.00	VTN		VINASAT-4A2	N																																	
132.00	VTN		VINASAT-4A3	N																																	
132.00	VTN		VINASAT-TTC	N																																	
132.10	CHN		SIGNSAT-132E	C																																	
133.00	CHN		FYGEOSAT-A-133E	C																																	
133.00	F		LB-SAT-133E	C																																	
133.50	F		F-SAT-N3-133.5E	C																																	
133.50	F		F-SAT-N5-133.5E	C																																	
133.50	CHN		ITS-AR-133.5E	C																																	
133.50	LUX		LUX-G9-25	C																																	
134.00	CHN		APSTAR-2	N																																	
134.00	CHN		CHINASAT-134E	N																																	
134.00	CHN		G4SAT-134E	C																																	
134.00	CYP		KYPROS-134E	C																																	
134.00	CYP		ONETEL-134E	C																																	
134.00	TON		TONGASAT AP-2	N																																	
134.00	TON		TONGASAT C/KU-2	N																																	
134.00	TON		TONGASAT-2/134E	N																																	
134.00	G		UK-KA-134E	C																																	
134.00	G		UK-KA-134E-VB	C																																	
134.00	USA		USGOVSAT-20R	C																																	

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134.00	USA		USGOVSAT-20R	N																															
135.00	AUS		AUS-NBN-135E	C																															
135.00	J		S-SAT-135E	C																															
135.50	QAT		QATARSAT-G2-30	C																															
136.00	CHN		CHINASAT-C21	C																															
136.00	J		D-STAR-2	N																															
136.00	RUS		ENSAT-KA-136E	C																															
136.00	F		F-SAT-N3-136E	C																															
136.00	F		F-SAT-N5-136E	C																															
136.00	J		JCSAT-FO-136E	N																															
136.00	J		N-SAT-Y12-136E	C																															
136.00	J		N-SAT-Y15-136E	C																															
136.00	J		N-SAT-Y18-136E	C																															
136.00	J		N-STAR-B	N																															
136.00	J		N-STAR-B2	N																															
136.00	J		N-STAR-E	N																															
136.50	F		F-SAT-N6-136.5E	C																															
137.00	ISR		AMS-B9-137E	C																															
137.00	ISR		AMS-C1-137E	C																															
137.00	F		F-SAT-N4-137E	C																															
137.00	LUX		LUX-G9-60	C																															
137.00	HOL		PESSE-137E-KA	C																															
137.00	HOL		PESSE-137E-VB	C																															
137.00	J		QZSS-GS5	C																															
137.00	J		QZSS-GS-A5	C																															
137.00	J		S-SAT-137E	C																															
137.50	G		UK-KA-137.5E	C																															
137.50	G		UK-KA-137.5E-VB	C																															
137.70	USA		USGAE-28A	C																															
137.80	UAE		EMARSAT-9Q	C																															
138.00	CHN		APSTAR-5-KU	N																															
138.00	CHN		CHINASAT-138E	N																															
138.00	CHN		G4SAT-138E	C																															
138.00	E		HISPASAT-69A	C																															
138.00	G		IOMSAT-KA-138E	C																															
138.00	CYP		KYPROS-SELENE-1	C																															
138.00	TON		TONGASAT AP-3	N																															
138.00	TON		TONGASAT C/KU-3	N																															
138.00	TON		TONGASAT-2/138E	N																															
138.00	G		TSAT-1	C																															
139.00	USA		USOBO-11B	C																															
140.00	AUS		AUS-NBN-3	N																															
140.00	CHN		CHINASAT-32	N																															
140.00	CHN		COMPASS-140E	C																															

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140.00	CHN		COMPASS-A-140E	A																															
140.00	CHN		COMPASS-A-140E	C																															
140.00	RUS		EXPRESS-10	N																															
140.00	RUS		EXPRESS-10B	N																															
140.00	RUS		EXPRESS-10KA	C																															
140.00	RUS		EXPRESS-10KA	N																															
140.00	F		F-SAT-N2-140E	C																															
140.00	F		F-SAT-N4-140E	C																															
140.00	RUS		VOLNA-6	N																															
140.40	CHN		CHINASAT-35B	N																															
140.70	J		HIMAWARI-140E	C																															
140.70	J		HIMAWARI-140E	N																															
140.70	J		HIMAWARI-8-140E	N																															
141.50	J		ETS9-B	C																															
142.00	CHN		APSTAR-142E	N																															
142.00	CHN		APSTAR-142E-R	C																															
142.00	CHN		APSTAR-142E-R	N																															
142.00	UAE		MADAR-142E	C																															
142.00	UAE		MADAR-142E-2	C																															
142.00	THA		THAICOM-G3K	N																															
142.00	THA		THAICOM-N5	C																															
142.50	CHN		ASIASAT-142.5Q	C																															
142.50	AUS		AUS-NBN-142.5E	C																															
142.50	SUI		INMARSAT-7-142E5	C																															
143.00	J		ETS9-A	C																															
143.00	F		F-SAT-N6-143E	C																															
143.00	J		WINDS-A	N																															
143.30	J		HIMAWARI-143E	C																															
143.50	G		INMARSAT-3 POR-3	N																															
143.50	G		INMARSAT-4 143.5E	N																															
143.50	G		INMARSAT-4A 143.5E	N																															
143.50	G		INMARSAT-6-143.5E	C																															
143.50	NOR		SE-6-143.5E	C																															
143.72	J		N-SAT-143.72E	N																															
144.00	J		JMCS-1	N																															
144.00	J		JMCS-144E	C																															
144.00	J		JMCS-144X	C																															
144.00	J		JMCS-1R	N																															
144.00	J		JMCS-C2-X	N																															
144.00	J		N-SAT-146	N																															
144.00	J		N-SAT-Y12-144E	C																															
144.00	J		N-SAT-Y15-144E	C																															
144.00	J		N-SAT-Y18-144E	C																															

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144.00	INS		PALAPA PACIFIC-144E	C																															
144.00	J		SUPERBIRD-C	N																															
144.00	J		SUPERBIRD-C2	N																															
144.50	CHN		CHINASAT-35C	N																															
144.50	CHN		COMPASS-A-144.5E	A																															
144.50	CHN		COMPASS-A-144.5E	C																															
144.50	CHN		COMPASS-B-144.5E	C																															
144.50	CHN		COMPASS-B-144.5E	N																															
145.00	AUS		AUS-NBN-4	C																															
145.00	RUS		EXPRESS-11	N																															
145.00	J		MTSAT-B-145E	N																															
145.00	RUS		RUSATCOM-145E	C																															
145.00	USA		USGON-6	N																															
145.00	USA		USOBO-18B	C																															
145.00	RUS		VOLNA-6R	C																															
145.00	RUS		VOLNA-6R	N																															
145.50	CYP		KYPROS-145.5E	C																															
146.00	J		ETS-8	N																															
146.00	J		ETS9-C	C																															
146.00	INS		NUSANTARA-PE1-A	C																															
146.00	INS		PALAPA PAC-C 146E	N																															
146.00	INS		PALAPA PAC-KU 146E	N																															
146.00	INS		PSN-146E	C																															
146.50	J		S-SAT-146.5E	C																															
147.00	G		INMARSAT-6-147E	C																															
147.00	NOR		SE-6-147E	C																															
147.50	CHN		ASIASAT-147.5Q	C																															
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148.00	F		CD-SAT 148E	C																															
148.00	LUX		LUX-G10-26	C																															
148.00	MLA		MEASAT-148E	N																															
148.00	MLA		MEASAT-2	N																															
148.00	MLA		MEASAT-2A	N																															
148.00	MLA		MEASAT-2B	C																															
148.00	MLA		MEASAT-2C	C																															
148.00	MLA		MEASAT-2R	N																															
148.00	HOL		NSS-G4-32	C																															
148.00	NOR		SE-KA-148E	C																															
148.00	G		UK-KA-148E	C																															
148.00	G		UK-KA-148E-VB	C																															
148.20	CHN		CHNNEWSAT-G1-148.2E	C																															
148.30	CHN		QXSI-148.3E-EX-L	C																															
149.00	RUS		BRASLET-149E	C																															
150.00	F		EDRS-150	A																															

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156.00	AUS		AUSSAT B 156E S	N																																
156.00	AUS		AUSSAT C 156E FSS	C																																
156.00	AUS		AUSSAT C 156E FSS	N																																
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156.00	AUS		AUSSAT C 156E GOVR	N																																
156.00	AUS		AUSSAT D 156E FSS	N																																
156.00	AUS		AUSSAT F 156E	C																																
156.00	PNG		PACIFISAT KA-1 156E	C																																
157.00	USA		INTELSAT5A 157E	N																																
157.00	USA		INTELSAT6 157E	N																																
157.00	USA		INTELSAT7 157E	N																																
157.00	USA		INTELSAT8 157E	N																																
157.00	PNG		NEW DAWN 40	C																																
157.00	PNG		NEW DAWN 47	C																																
157.00	INS		NUSANTARA-B5-A	C																																
157.00	USA		USASAT-60Q	C																																
158.00	J		JMCS-158E	C																																
158.00	J		JMCS-3A	N																																
158.00	J		N-SAT-Y12-158E	C																																
158.00	J		N-SAT-Y15-158E	C																																
158.00	HOL		PESSE-158E	C																																
158.00	J		SUPERBIRD-A	N																																
158.00	J		SUPERBIRD-A2	N																																
158.00	J		SUPERBIRD-A2-R	N																																
158.00	G		UK-KA-158E	C																																
158.00	G		UK-KA-158E-VB	C																																
158.50	CHN		SIGNSAT-160E	C																																
159.00	INS		NUSANTARA-H3-A	C																																
159.00	PNG		PACIFISAT C/KU-2	C																																
159.00	PNG		PACIFISAT C/KU-2	N																																
159.00	PNG		PACIFISAT KA-2 159E	C																																
159.00	PNG		PACIFISAT-159E	C																																
159.00	S		SMMSAT-7R	C																																
159.00	G		UKDSAT-D2	C																																
159.00	G		UKDSAT-G	C																																
160.00	AUS		AUSSAT B 160E	N																																
160.00	AUS		AUSSAT B 160E NZ	N																																
160.00	AUS		AUSSAT B 160E S	N																																
160.00	AUS		AUSSAT D 160E FSS	N																																
160.00	AUS		AUSSAT F 160E	C																																
160.00	CHN		COMPASS-160E	C																																
160.00	CHN		COMPASS-160E	N																																
160.00	CHN		COMPASS-A-160E	A																																
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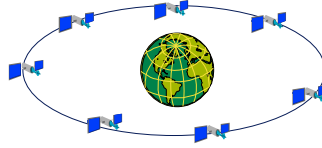
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160.00	UAE		MADAR-160E	C																																	
160.00	UAE		MADAR-160E-2	C																																	
160.20	CHN		CHNNEWSAT-G1-160.2E	C																																	
162.00	J		JMCS-162E	C																																	
162.00	J		JMCS-162E	N																																	
162.00	J		JMCS-3B	N																																	
162.00	J		JMCS-B4-X	C																																	
162.00	J		JMCS-B4-X	N																																	
162.00	J		N-SAT2-162E	N																																	
162.00	J		N-SAT-Y12-162E	C																																	
162.00	J		N-SAT-Y15-162E	C																																	
162.00	J		N-SAT-Y18-162E	C																																	
162.00	J		SUPERBIRD-B	N																																	
162.00	J		SUPERBIRD-B2	N																																	
162.00	J		SUPERBIRD-B2-KA	N																																	
162.00	J		SUPERBIRD-B2-R	N																																	
163.00	CHN		CHINASAT-163E	N																																	
163.00	CHN		CHINASAT-CL11	C																																	
163.00	CHN		CHINASAT-D-163E	C																																	
163.00	CHN		CHINASAT-E-163E	C																																	
163.00	CHN		CHINASAT-ROUTE15	N																																	
163.50	F		F-SAT-N4-163.5E	C																																	
163.50	RUS		YAMAL-E5M	C																																	
164.00	AUS		AUSSAT B 164E	N																																	
164.00	AUS		AUSSAT B 164E MOB	N																																	
164.00	AUS		AUSSAT F 164E	C																																	
164.00	RUS	IK	INTERSPUTNIK-164E	C																																	
164.10	F		F-SAT-N4-164.1E	C																																	
165.00	S		SMMSAT-8R	C																																	
165.00	G		UKDSAT-D1	C																																	
165.00	G		UKDSAT-H	C																																	
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165.80	RUS		GOMS-166E	N																																	
166.00	UAE		FUTURA-2	C																																	
166.00	UAE		MADAR-166E	C																																	
166.00	D		ODYSSEY-166E	C																																	
166.00	RUS		PROGNOZ-6	N																																	
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167.00	RUS		VSSRD-2	N																																	
167.00	RUS		VSSRD-2M	A																																	
167.00	RUS		VSSRD-2M	C																																	

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167.00	RUS		VSSRD-2M	N																																
168.00	J		QZSS-GS8	C																																
168.00	J		QZSS-GS-A8	C																																
169.00	CHN		CHNNEWSAT-G1-169E	C																																
169.00	F		F-SAT-N3-169E	C																																
169.00	F		F-SAT-N5-169E	C																																
169.00	PNG		NEW DAWN 43	C																																
169.00	PNG		NEW DAWN 48	C																																
169.00	D		ODYSSEY-169E	C																																
169.00	USA		USASAT-14G	N																																
169.00	USA		USASAT-55L	C																																
169.00	USA		USASAT-55L	N																																
169.00	USA		USASAT-55V	C																																
169.00	USA		USASAT-55V	N																																
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171.00	CHN		CTDRS-2-171E	A																																
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172.00	USA		FLTSATCOM W PAC	N																																
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172.00	F		F-SAT-N-172E	C																																
172.00	F		F-SAT-N5-172E	C																																
172.00	USA		IRIS-7B	C																																
172.00	USA		KASATCOM-5	N																																
172.00	G		UKPAC-2	C																																
172.00	USA		USASAT-14K	N																																
172.00	USA		USASAT-60A	N																																
172.00	USA		USASAT-60Y	C																																
173.00	CHN		DFH-5-02B	C																																
174.00	F		F-SAT-N4-174E	C																																
174.00	E		HISPASAT-68A	C																																
174.00	CYP		KYPROS-ACHILLEAS	C																																
174.00	CYP		KYPROS-ACHILLEAS-3	C																																
174.10	PNG		PACIFISAT-174.1E	C																																
175.00	USA		USGCSS PH3 W PAC	N																																
175.00	USA		USGCSS PH3B W PAC	N																																
175.00	USA		USGOVSAT-12	N																																

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176.00	LUX		LUX-G9-30	C																															
176.00	HOL		NSS-G8-176E	C																															
176.10	PNG		PACIFISAT1-176.1E	C																															
176.80	CHN		CTDRS-2-176.8E	A																															
176.80	CHN		CTDRS-2-176.8E	C																															
176.80	CHN		CTDRS-2-176.8E	N																															
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178.00	G		INMARSAT-3 POR-2	N																															
178.00	G		INMARSAT-6-178E	C																															
178.00	D		ODYSSEY POR	C																															
178.00	NOR		SE-6-178E	C																															
178.50	CHN		DFH-5-03B	C																															
180.00	G		INMARSAT-KA 180E	C																															
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180.00	USA		USASAT-55R	C																															
180.00	USA		USASAT-55R	N																															
180.00	USA		USASAT-60Z	C																															
180.00	USA		USGCSS PH3 W PAC-2	N																															
180.00	USA		USGCSS PH3B W PAC-2	N																															
180.00	USA		USGOVSAT-1R	C																															
180.00	USA		USGOVSAT-1R	N																															



SECTION A2

LISTE DES RÉSEAUX SPATIAUX
GÉOSTATIONNAIRES POUR LESQUELS DES
RENSEIGNEMENTS ONT ÉTÉ COMMUNIQUÉS EN
APPLICATION DES DISPOSITIONS DE
L'ARTICLE 9.11A/RÉSOLUTION 46 ET/OU DE
L'ARTICLE 11 DU RÈGLEMENT DES
RADIOCOMMUNICATIONS

A2 节

根据《无线电规则》第 9.11A 条/第 46 号决议
和/或第 11 条的规定，已通报了相关信息的对
地静止空间网络的清单

SECTION A2

LIST OF GEOSTATIONARY SPACE NETWORKS
FOR WHICH INFORMATION HAS BEEN
COMMUNICATED IN APPLICATION OF THE
PROVISIONS OF ARTICLE 9.11A/RESOLUTION 46
AND/OR ARTICLE 11 OF THE RADIO
REGULATIONS

РАЗДЕЛ А2

СПИСОК ГЕОСТАЦИОНАРНЫХ КОСМИЧЕСКИХ
СЕТЕЙ, СВЕДЕНИЯ ПО КОТОРЫМ БЫЛИ
СООБЩЕНЫ В ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ
СТАТЬИ 9.11А/РЕЗОЛЮЦИИ 46 И/ИЛИ СТАТЬИ 11
РЕГЛАМЕНТА РАДИОСВЯЗИ

SECCIÓN A2

LISTA DE REDES ESPACIALES
GEOESTACIONARIAS SOBRE LAS CUALES SE HA
COMUNICADO INFORMACIÓN EN APLICACIÓN DE
LAS DISPOSICIONES DEL
ARTÍCULO 9.11A/RESOLUCIÓN 46 Y/O DEL
ARTÍCULO 11 DEL REGLAMENTO DE
RADIOCOMUNICACIONES

القسم A2

قائمة الشبكات الفضائية المستقرة بالنسبة إلى الأرض
التي تم إرسال معلومات خاصة بما تطبيقاً لأحكام المادة
9.11A/القرار 46 و/أو المادة 11 من لوائح الراديو

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-178.00	CHN		CHNNEWSAT-G1-178W	C																															
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-177.00	USA		IRIS-8A	N																															
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-177.00	HOL		NSS-G9-177W	C																															
-175.00	G		INMARSAT-6-175W	C																															
-174.50	CYP		KYPROS-ARTEMIS-3	C																															
-174.00	RUS		ENSAT-KA-174W	C																															
-173.00	J		N-SAT-Y12-173W	C																															
-173.00	J		N-SAT-Y18-173W	C																															
-170.00	RUS		TOR-5	N																															
-170.00	RUS		TOR-5M	N																															
-170.00	RUS		VOLNA-7	N																															
-169.50	HOL		NSS-G5-1	C																															
-166.20	NCG		NICASAT-2A	C																															
-165.00	F		F-SAT-N6-165W	C																															
-161.00	CYP		KYPROS-OKEANOS-3	C																															
-159.00	G		INMARSAT-6-159W	C																															
-159.00	RUS		PROGNOZ-7	N																															
-157.00	HOL		NSS-G4-2	C																															
-157.00	HOL		NSS-G8 157W	C																															
-156.00	F		F-SAT-N4-156W	C																															
-154.00	G		AURORA-IV-154W	C																															
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-148.00	NOR		SE-KA-148W	C																															
-147.00	G		INMARSAT-6-147W	C																															
-146.00	F		F-SAT-N4-146W	C																															
-146.00	F		F-SAT-N6-146W	C																															
-145.00	USA		IRIS-9B	C																															
-145.00	NOR		SE-KA-145W	C																															
-144.00	USA		USCSID-W2	N																															
-142.00	G		INMARSAT-6-142W	C																															
-141.00	USA		USCSID-W1	N																															
-139.00	F		F-SAT-N4-139W	C																															
-139.00	F		F-SAT-N6-139W	C																															
-139.00	HOL		NSS-G8 139W	C																															
-139.00	USA		USASAT-71R	C																															
-138.00	CHN		CHNNEWSAT-G1-138W	C																															
-137.00	USA		GOES-WEST-4	C																															
-137.00	CYP		KYPROS-137W	C																															

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-137.00	HOL		NSS-G7 137W	C																															
-137.00	HOL		NSS-G8-137W	C																															
-135.00	USA		GOES-WEST-1	N																															
-135.00	USA		GOES-WEST-2	N																															
-135.00	LUX		LUX-G10-37	C																															
-135.00	LUX		LUX-G9-37	C																															
-135.00	HOL		NSS-G7 135W	C																															
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-133.00	F		F-SAT-N5-133W	C																															
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-133.00	G		UK-KA-13	C																															
-133.00	USA		USASAT-80D	C																															
-132.00	CHN		CHNNEWSAT-G1-132W	C																															
-131.00	E		HISPASAT-67A	C																															
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-131.00	HOL		NSS-G7-131W	C																															
-130.90	UAE		EMARSAT-12D-M	C																															
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-129.00	G		GIBSAT-129W-B	C																															
-129.00	G		GIBSAT-G14-2	C																															
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-128.00	USA		GOES-2-128W	C																															
-127.00	J		N-SAT2-127W	C																															
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-127.00	J		N-SAT-Y18-127W	C																															
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-127.00	USA		USNN-3	C																															
-127.00	USA		USNN-3	N																															
-125.00	CHN		CHNNEWSAT-G1-125W	C																															
-125.00	HOL		NSS-G6-7	C																															
-125.00	USA		USASAT-80C	C																															
-125.00	USA		USASAT-80C-1	C																															
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-124.00	UAE		MADAR-124W	C																															
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-123.10	F		CD-SAT-123.1W-G2	C																															
-123.00	UAE		MADAR-123W	C																															
-123.00	UAE		MADAR-123W-2	C																															
-122.90	G		UKNETSAT-122.9W	C																															
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-119.50	CYP		KYPROS-119.5W	C																															
-119.25	HOL		BSSNET2A-119W	C																															
-118.70	CAN		CANSAT KA-5X	N																															

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-117.00	F		EG-SAT-117W	C																																	
-117.00	F		F-SAT-N5-117W	C																																	
-117.00	UAE		MADAR-117W	C																																	
-117.00	PNG		RAGGIANA-18	C																																	
-116.90	F		F-SAT-N4-116.9W	C																																	
-116.80	MEX		MEXSAT 116.8 KA	C																																	
-116.80	MEX		MEXSAT 116.8 KA1	C																																	
-116.80	MEX		MEXSAT 116.8 L	C																																	
-116.80	MEX		MEXSAT-116.8-L-7M	C																																	
-115.00	HOL		BSSNET2A-115W	C																																	
-115.00	G		IOMSAT-11A	N																																	
-114.90	CYP		KYPROS-114.9W	C																																	
-114.90	MEX		MEXSAT 114.9 KA	C																																	
-114.90	MEX		MEXSAT 114.9 KA1	C																																	
-113.00	F		F-SAT-N4-113W	C																																	
-113.00	F		F-SAT-N5-113W	C																																	
-113.00	G		GIBSAT-G12-1	C																																	
-113.00	RUS	IK	INTERSPUTNIK-113W	C																																	
-113.00	MEX		KA 113.0W MEX	C																																	
-113.00	UAE		MADAR-113W	C																																	
-113.00	UAE		MADAR-113W-2	C																																	
-113.00	MEX		MEXSAT 113 KA	C																																	
-113.00	MEX		MEXSAT 113 KA1	C																																	
-113.00	MEX		MEXSAT 113 L	C																																	
-113.00	MEX		MEXSAT113 L-CEXT-X	N																																	
-113.00	MEX		MEXSAT-113-L-7M	C																																	
-113.00	CYP		SUPREMESAT-113W	C																																	
-111.10	CAN		ANIK-F2R	C																																	
-111.10	CAN		CANSAT KA-4	N																																	
-111.10	CAN		CANSAT-24	N																																	
-110.90	HOL		BSSNET2A-111W	C																																	
-110.00	J		N-SAT-Y13-110W	C																																	
-109.20	CAN		CANSAT-64	C																																	
-109.20	CAN		CANSAT-68	C																																	
-109.20	G		IOMSAT-B12R-2	C																																	
-109.20	MLA		MEASAT-LA1B	C																																	
-109.20	MEX		MEXSAT 109.2 KA	C																																	
-109.20	MEX		MEXSAT 109.2 KA1	C																																	
-109.20	MEX		MEXSAT 109.2 L	C																																	
-109.20	MEX		MEXSAT 109.2 LR	C																																	
-109.20	MEX		MEXSAT-109.2-L-7M	C																																	
-109.00	CYP		KYPROS-109W	C																																	
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-107.30	CAN		CANSAT (107.3W) -L	C																															
-107.30	CAN		CANSAT-67	C																															
-107.30	CAN		CANSAT-72	C																															
-107.10	USA		USASAT-71L	C																															
-107.00	G		UKSAT-14	N																															
-106.50	CAN		MSAT	N																															
-105.00	USA		ATS-5	N																															
-105.00	USA		GOES-4-105W	C																															
-105.00	USA		IRIS-1A	C																															
-105.00	LUX		LUX-G7 105W	C																															
-105.00	LUX		LUX-G9-42	C																															
-104.50	USA		GOES-2-104.5W	C																															
-103.00	HOL		NSS-G5-4	C																															
-103.00	HOL		NSS-G8-103W	C																															
-103.00	USA		USASAT-31L	N																															
-102.80	USA		USASAT-70W	N																															
-102.00	F		AST-102W	C																															
-101.00	USA		ACS-1	N																															
-101.00	USA		MCS-1	N																															
-101.00	USA		MSV-1A	N																															
-101.00	HOL		NSS-G5-3	C																															
-101.00	USA		USASAT-31M	N																															
-100.00	F		F-SAT-N3-100W	C																															
-100.00	F		F-SAT-N5-100W	C																															
-100.00	USA		IRIS-2A	C																															
-100.00	USA		IRIS-2A	N																															
-99.20	USA		USASAT-70V	N																															
-99.00	USA		USASAT-31N	N																															
-98.00	G		INMARSAT-3 AOR WEST3	N																															
-98.00	G		INMARSAT-4 98W	N																															
-98.00	G		INMARSAT-4A 98W	N																															
-98.00	G		INMARSAT-6-98W	C																															
-98.00	J		N-SAT-Y17-98W	C																															
-97.80	RUS	IK	INTERSPUTNIK-97.8W	C																															
-97.50	E		HISPASAT-54A	C																															
-97.00	PNG		RAGGIANA-5	C																															
-97.00	USA		USASAT-71P	C																															
-96.00	F		F-SAT-N4-96W	C																															
-95.20	USA		USASAT-76E	C																															
-95.15	HOL		BSSNET2A-95W	C																															
-95.00	UAE		MADAR-95W	C																															
-95.00	UAE		MADAR-95W-2	C																															
-95.00	G		UKSAT-31	C																															

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-94.00	F		F-SAT-N6-94W	C																															
-93.00	G		ICO-G	N																															
-93.00	UAE		MADAR-93W	C																															
-93.00	D		ODYSSEY-93W	C																															
-92.00	B		B-SAT-1F-2	C																															
-92.00	PNG		PACIFISAT-92W	C																															
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-91.00	CAN		CANSAT-70	C																															
-91.00	MLA		MEASAT-ROUTE-4C	C																															
-91.00	D		ODYSSEY-91W	C																															
-91.00	G		UKSAT-33	C																															
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-90.00	F		F-SAT-N5-90W	C																															
-90.00	G		IOMSAT 90W	C																															
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-89.00	HOL		PESSE-89W	C																															
-89.00	G		UK-KA-8	C																															
-89.00	G		UK-KA-8R	C																															
-88.00	PNG		PACIFISAT-88W	C																															
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-87.00	SUI		INMARSAT-7-87W	C																															
-87.00	RUS	IK	INTERSPUTNIK-87W	C																															
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-87.00	PNG		RAGGIANA-34	C																															
-86.50	HOL		NSS-G4-9	C																															
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-86.00	F		F-SAT-N5-86W	C																															
-85.00	HOL		NSS-G4-10	C																															
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-84.00	B		B-SAT-2N	C																															
-84.00	B		B-SAT-2N-1	C																															
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-83.00	HOL		NSS-G7-83W	C																															
-82.00	CAN		CANSAT (82W)-KA	C																															
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-82.00	CAN		CANSAT-66	C																															
-81.00	ARG		ARSAT-D	C																															

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-81.00	UAE		MADAR-81W-2	C																																	
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-79.00	E		HISPASAT-9A	C																																	
-79.00	HOL		PESSE-79W	C																																	
-79.00	G		UK-KA-7	C																																	
-79.00	G		UK-KA-7R	C																																	
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-77.00	E		HISPASAT-87A	C																																	
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-77.00	HOL		NSS-G7 77W	C																																	
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-75.00	USA		GOES-EAST-2	N																																	
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-74.00	E		HISPASAT-31A	C																																	
-74.00	E		HISPASAT-50A	C																																	
-74.00	E		HISPASAT-86A	C																																	
-73.00	UAE		EMARSAT-11X	C																																	
-73.00	UAE		EMARSAT-9X	C																																	
-73.00	UAE		MADAR-73W	C																																	
-72.50	B		B-SAT-72.5W	C																																	
-72.50	CLM		CONDOR	C																																	
-72.50	G		IOMSAT-KA-1R	C																																	
-72.10	HOL		PESSE-72W	C																																	

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-72.00	ARG		ARSAT-G	C																																
-72.00	F		F-SAT-N4-72W	C																																
-72.00	F		F-SAT-N6-72W	C																																
-72.00	G		GIBSAT-72W	C																																
-72.00	G		GIBSAT-G14-1	C																																
-72.00	SUI		INMARSAT-7-72W	C																																
-72.00	HOL		NSS-G6-10	C																																
-72.00	NOR		SE-KA-72W	C																																
-70.90	CLM		COLSAT-1A-70.9W	C																																
-70.90	CLM		SATCOL 1B	C																																
-70.50	CHN		CHNNEWSAT-G1-70.5W	C																																
-70.50	UAE		EMARSAT-9W	C																																
-70.00	B		B-SAT-1C-1	C																																
-70.00	B		B-SAT-1C-2	C																																
-70.00	UAE		MADAR-70W	C																																
-70.00	HOL		PESSE-70W	C																																
-70.00	G		UK-KA-1	C																																
-70.00	G		UK-KA-1A	C																																
-70.00	G		UK-KA-1R	C																																
-69.45	F		F-SAT-N6-69.45W	C																																
-68.00	I		NEWSAT-1H-68W	C																																
-67.50	E		HISPASAT-17A	C																																
-67.00	LUX		LUX-G11-49	C																																
-67.00	LUX		LUX-G8-47	C																																
-67.00	LUX		LUX-G9-49	C																																
-66.25	CYP		KYPROS-66.25W	C																																
-65.00	B		B-SAT-1R-1	C																																
-65.00	PNG		RAGGIANA-2	C																																
-65.00	USA		USNN-1	C																																
-63.20	F		F-SAT-N4-63.2W	C																																
-63.20	CHN		ITS-AR-63.2W	C																																
-63.00	B		B-SAT-1I-1	C																																
-63.00	G		IOMSAT-KA-63W-R	C																																
-61.00	B		B-SAT-1Q	N																																
-61.00	E		HISPASAT-73A	C																																
-60.00	USA		GOES 60W	N																																
-60.00	USA		GOES-2-60W	C																																
-59.50	F		F-SAT-N4-59.5W	C																																
-59.00	B		B-SAT-59W	C																																
-59.00	CHN		CHNNEWSAT-G1-59W	C																																
-59.00	PNG		RAGGIANA-31	C																																
-59.00	E		SECOMSAT-2-59W	C																																
-59.00	E		SECOMSAT-59W	C																																

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-58.50	E		HISPASAT-15A	C																																
-58.50	E		HISPASAT-32A	C																																
-58.50	E		HISPASAT-51A	C																																
-58.50	E		HISPASAT-85A	C																																
-58.00	HOL		NSS-G4-13	C																																
-57.90	F		AST-ERIX-57.9W	C																																
-57.00	B		B-SAT-1V	C																																
-57.00	F		F-SAT-N4-57W	C																																
-57.00	G		INMARSAT-6-57W	C																																
-57.00	UAE		MADAR-57W	C																																
-57.00	UAE		MADAR-57W-2	C																																
-57.00	B		SISCOMIS-9	C																																
-56.50	F		F-SAT-N4-56.5W	C																																
-55.20	F		F-SAT-N3-55.2W	C																																
-55.00	G		INMARSAT-KA 55W	C																																
-55.00	G		INMARSAT-KA 55W	N																																
-55.00	NOR		SE-KA-55W	C																																
-54.00	F		F-SAT-N4-54W	C																																
-54.00	G		INMARSAT GSO-2J	N																																
-54.00	G		INMARSAT-3 AOR WEST2	N																																
-54.00	G		INMARSAT-6-54W	C																																
-53.00	B		B-SAT-53W	C																																
-53.00	PNG		PACIFISAT-53W	C																																
-52.50	E		HISPASAT-12A	C																																
-52.50	E		HISPASAT-27A	C																																
-52.50	E		HISPASAT-46A	C																																
-52.50	E		HISPASAT-79A	C																																
-52.40	F		AST-ERIX-52.4W	C																																
-51.50	F		F-SAT-N3-51.5W	C																																
-51.50	F		F-SAT-N5-51.5W	C																																
-50.00	UAE		MADAR-50W	C																																
-50.00	UAE		MADAR-50W-2	C																																
-48.00	B		B-SAT-1W-1	C																																
-48.00	CHN		CHNNEWSAT-G1-48W	C																																
-48.00	I		NEWSAT-1G-48W	C																																
-47.50	B		B-SAT-1W-2	C																																
-47.50	CYP		KYPROS-47.5W	C																																
-47.50	HOL		NSS-G3-8	C																																
-47.00	E		SECOMSAT-5-47W	C																																
-47.00	E		SECOMSAT-B1-R 47W	C																																
-45.00	B		B-SAT-1A-1	C																																
-45.00	B		B-SAT-1A-2	C																																
-45.00	B		B-SAT-1A-3	C																																

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-45.00	UAE		MADAR-45W	C																																
-44.50	CHN		CHNNEWSAT-G1-44.5W	C																																
-44.00	F		MR-SAT-44W	C																																
-43.00	UAE		MADAR-43W	C																																
-43.00	UAE		MADAR-43W-2	C																																
-43.00	UAE		YAHSAT-G5-43W	C																																
-43.00	UAE		YAHSAT-G5-43W	N																																
-41.20	MLA		MEASAT-ROUTE-5C	C																																
-41.00	CYP		KYPROS-41W-2	C																																
-41.00	G		UKMMSAT-A	C																																
-40.50	B		B-SAT-1X	C																																
-40.50	HOL		NSS-G5-13	C																																
-39.50	ISR		AMS-A11-39.5W	C																																
-39.00	F		F-SAT-N3-39W	C																																
-39.00	F		F-SAT-N5-39W	C																																
-39.00	E		HISPASAT-56A	C																																
-39.00	PNG		PACIFISAT-39W	C																																
-38.50	ARG		ARSAT-H	C																																
-38.00	I		NEWSAT-1F-38W	C																																
-37.50	LUX		LUX-G10-53	C																																
-36.00	F		F-SAT-N3-36W	C																																
-36.00	F		F-SAT-N5-36W	C																																
-36.00	E		HISPASAT-16A	C																																
-36.00	E		HISPASAT-36A	C																																
-36.00	E		HISPASAT-44A	C																																
-36.00	E		HISPASAT-7A	C																																
-36.00	KOR		KTSAT-36W	C																																
-34.80	BOL		TKSAT-2	C																																
-34.50	G		UKNETSAT-34.5W	C																																
-34.00	F		F-SAT-N4-34W	C																																
-34.00	G		SKYNET-4M	N																																
-34.00	G		SKYNET-5A	N																																
-33.50	S		SMMSAT-2R	C																																
-33.50	G		UKDIGISAT-3	N																																
-33.50	G		UKMMSAT-A2	C																																
-33.50	G		UKMMSAT-A2	N																																
-33.50	G		UKMMSAT-B	C																																
-33.00	ISR		AMS-A3-33W	C																																
-33.00	ISR		AMS-A8-33W	C																																
-32.00	F		F-SAT-N4-32W	C																																
-31.50	B		B-SAT-31.5W	C																																
-30.40	USA		USDKH2	N																																
-30.00	E		HISPASAT-10A	C																																

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-30.00	E		HISPASAT-20A	C																																
-30.00	E		HISPASAT-3A	C																																
-30.00	E		HISPASAT-43A	C																																
-30.00	E		SECOMSAT-4-30W	C																																
-30.00	USA		USCSID-E4	N																																
-28.00	CHN		CHNNEWSAT-G1-28W	C																																
-28.00	F		F-SAT-N4-28W	C																																
-28.00	F		F-SAT-N6-28W	C																																
-28.00	E		HISPASAT-42A	C																																
-28.00	G		INMARSAT-6-28W	C																																
-28.00	G		IOMSAT-G1-1	C																																
-28.00	UAE		MADAR-28W	C																																
-28.00	UAE		MADAR-28W-2	C																																
-28.00	NOR		SE-KA-28W	C																																
-27.60	ALG		ALCOMSAT-27.6W	C																																
-27.50	D		ODYSSEY-27.5W	C																																
-26.50	RUS		TOR-1M	N																																
-26.50	RUS		VOLNA-13	N																																
-26.00	ISR		AMS-A10-26W	C																																
-26.00	ISR		AMS-A3-26W	C																																
-26.00	E		HISPASAT-13A	C																																
-26.00	E		HISPASAT-26A	C																																
-26.00	E		HISPASAT-47A	C																																
-26.00	E		HISPASAT-6A	C																																
-26.00	E		HISPASAT-80A	C																																
-26.00	RUS	IK	INTERSPUTNIK-26W-1	C																																
-26.00	J		N-SAT-Y13-26W	C																																
-26.00	QAT		QATARSAT-G4-26W	C																																
-25.00	RUS		TOR-9M	N																																
-25.00	RUS		VOLNA-1A	N																																
-24.80	ALG		ALCOMSAT-24.8W	C																																
-24.00	CHN		CHINASAT-E-24W	C																																
-24.00	F		F-SAT-N4-24W	C																																
-24.00	RUS		PROGNOZ-1	N																																
-24.00	USA		USCSID-E3	N																																
-23.00	TUR		TURKSAT-23W-A	C																																
-22.50	USA		IRIS-3B	C																																
-22.00	ETH		AFBS-1	C																																
-22.00	E		HISPASAT-57A	C																																
-22.00	HOL		NSS-G4-17	C																																
-22.00	HOL		NSS-G6-14	C																																
-21.00	ISR		AMS-A2-21W	C																																
-21.00	F		F-SAT-N4-21W	C																																

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-20.00	B		B-SAT-1Z	C																																
-20.00	UAE		MADAR-20W	C																																
-20.00	UAE		MADAR-20W-2	C																																
-20.00	HOL		NSS-G4-18	C																																
-20.00	UAE		YAHSAT-N-20W	N																																
-18.00	NOR		DUB DUB-5-18W	C																																
-18.00	SUI		INMARSAT-7-18W	C																																
-18.00	UAE		MADAR-18W	C																																
-18.00	NOR		SE-KA-18W	C																																
-18.00	G		UKNETSAT-18W	C																																
-18.00	USA		USASAT-71Q	C																																
-17.80	G		SKYNET-5E	N																																
-17.50	G		INMARSAT-6-17.5W	C																																
-17.50	UAE		YAHSAT-G6-17.5W	C																																
-16.00	RUS	IK	INTERSPUTNIK-16W-2	N																																
-16.00	RUS	IK	INTERSPUTNIK-16W-4	C																																
-16.00	RUS	IK	INTERSPUTNIK-16W-4	N																																
-16.00	UAE		MADAR-16W	C																																
-16.00	NIG		NIGCOMSAT-2B	C																																
-16.00	S		SIRIUS-16W-1	C																																
-16.00	RUS		WSDRN-M	C																																
-16.00	RUS		WSDRN-M	N																																
-15.50	NOR		DUB DUB-6-15.5W	C																																
-15.50	G		INMARSAT-2 AOR EAST	N																																
-15.50	G		INMARSAT-3 AOR EAST	N																																
-15.50	G		INMARSAT-6-15.5W	C																																
-15.50	USA		IRIS-4A	C																																
-15.50	USA		IRIS-4A	N																																
-15.00	CAN		CANSAT-61	C																																
-15.00	G		IOMSAT-2A2	C																																
-15.00	USA		USASAT-66D	C																																
-14.80	F		F-SAT-N3-14.8W	C																																
-14.50	RUS		GOMS-14.5W	C																																
-14.50	RUS		GOMS-14.5W	N																																
-14.00	CYP		KYPROS-14W	C																																
-14.00	RUS		VOLNA-2	C																																
-14.00	RUS		VOLNA-2	N																																
-13.00	USA		USCSID-E2	N																																
-12.50	F		F-SAT-N3-12.5W	C																																
-12.50	F		F-SAT-N5-12.5W	C																																
-12.50	F		F-SAT-N7-12.5W	C																																
-12.50	E		HISPASAT-58A	C																																
-12.00	G		UK-KA-4	C																																

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-11.50	ETH		AFBS-2	C																																	
-11.50	SUI		INMARSAT-7-11W5	C																																	
-11.00	F		F-SAT-N4-11W	C																																	
-11.00	RUS		VOLNA-3R	N																																	
-10.50	MLA		MEASAT-SA3C	C																																	
-10.25	E		HISPASAT-29A	C																																	
-10.25	E		HISPASAT-49A	C																																	
-10.25	E		HISPASAT-82A	C																																	
-10.00	B		B-SAT-10-1	C																																	
-10.00	USA		USCSID-E1	N																																	
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-9.50	NIG		NIGCOMSAT-2D	C																																	
-9.00	UAE		EMARSAT-12Y-M	C																																	
-9.00	UAE		EMARSAT-9Y/M	C																																	
-8.00	UAE		EMARSAT-13V-M	C																																	
-8.00	F		F-MILSATCOM2-8W	C																																	
-8.00	F		F-MILSATCOM3-8W	C																																	
-8.00	F		F-MILSATCOM-8W	C																																	
-8.00	F		F-SAT-N3-8W	C																																	
-8.00	F		F-SAT-N5-8W	C																																	
-8.00	F		F-SAT-N7-8W	C																																	
-7.70	NOR		DUB DUB-4-7.7W	C																																	
-7.00	ISR		AMS-B12-7W	C																																	
-7.00	EGY		EGJAN1A	C																																	
-7.00	EGY		EGY-N-SAT	C																																	
-7.00	F		F-SAT-KB1-E-7W	C																																	
-7.00	F		F-SAT-N3-7W	C																																	
-7.00	F		F-SAT-N5-7W	C																																	
-7.00	F		F-SAT-N7-7W	C																																	
-6.00	EGY		EGJAN2A	C																																	
-6.00	F		F-SAT-N-6W	C																																	
-5.00	F		F-MILSATCOM2-5W	C																																	
-5.00	F		F-MILSATCOM3-5W	C																																	
-5.00	F		F-MILSATCOM-5W	C																																	
-5.00	F		F-SAT-N3-5W	C																																	
-5.00	F		F-SAT-N5-5W	C																																	
-5.00	F		F-SAT-N7-5W	C																																	
-4.00	ISR		AMOS 2-B	N																																	
-4.00	ISR		AMS-B4-4W	C																																	
-4.00	ISR		AMS-CK-4W	C																																	
-4.00	ISR		AMS-CK-4W	N																																	
-3.70	CYP		KYPROS-3.7W	C																																	
-3.70	TUR		TURKSAT-3.7W-F	C																																	

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-3.40	D	EUM	MTG 3.4W	C																																
-3.00	RUS	IK	INTERSPUTNIK-3W-CK	C																																
-3.00	PNG		PACIFISAT-3W	C																																
-3.00	RUS		TOR-11M	N																																
-2.40	F		LH-SAT-2.4W	C																																
-2.00	CHN		CHNNEWSAT-G1-2W	C																																
-2.00	EGY		EGJAN3A	C																																
-2.00	CYP		KYPROS-AETHER-3	C																																
-1.00	D		ODYSSEY-359E	C																																
-1.00	G		SKYNET-4J	N																																
-1.00	G		SKYNET-5B	N																																
-1.00	G		UK-KUKA-1	C																																
-0.80	NOR		BIFROST-0.8W-2010	C																																
-0.80	NOR		BIFROST-0.8W-2010	N																																
-0.80	NOR		BIFROST-0.8W-2010-KA	C																																
-0.80	NOR		BIFROST-0.8W-2010-KA	N																																
-0.80	NOR		BIFROST-0.8W-2016	C																																
0.00	D	EUM	MTG 0E	C																																
0.00	USA		USCSID-A1	N																																
0.50	D		H2M-0.5E	C																																
0.50	D		H2SAT-0.5E	C																																
0.90	QAT		QATARSAT-G4-0.9E	C																																
1.00	ARS	ARB	ARABSAT-9L-1E	C																																
1.00	KOR		KTSAT-1E	C																																
1.00	LUX		LUX-G12-1	C																																
1.00	I		NEWSAT-1A-1E	C																																
1.00	RUS		TOR-15M	N																																
1.00	RUS		VOLNA-21	N																																
1.50	SUI		INMARSAT-7-1E5	C																																
1.50	CZE		PEKASAT-G2-1	C																																
1.60	F		F-SAT-N3-1.6E	C																																
1.90	BUL		BUL-QV-1.9E	C																																
1.90	BUL		BULSAT-1.9E	C																																
2.00	EGY		EGYCOMM2A	C																																
2.00	UAE		MADAR-2E	C																																
2.90	F		RN-SAT-2.9E	C																																
3.00	ETH		AFBS-3	C																																
3.00	F		F-MILSATCOM2-3E	C																																
3.00	F		F-MILSATCOM3-3E	C																																
3.00	F		F-MILSATCOM-3E	C																																
3.00	F		F-SAT-N3-3E	C																																
3.00	F		F-SAT-N5-3E	C																																
3.00	F		F-SAT-N7-3E	C																																

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3.00	F		F-SAT-N-E-3E	C																																
3.00	F		F-SAT-N-E-3E	N																																
3.00	SUI		INMARSAT-7-3E	C																																
4.00	F		F-SAT-N3-4E	C																																
5.00	LUX		LUX-G11-2	C																																
5.00	LUX		LUX-G3-2	N																																
5.00	MLA		MEASAT-SA1A	C																																
5.00	S		SIRIUS-5E	N																																
5.00	S		SIRIUS-5E-2	N																																
5.00	S		SIRIUS-5E-8	C																																
5.00	S		SIRIUS-P	N																																
5.50	UAE		MADAR-5.5E	C																																
5.50	UAE		MADAR-5.5E-2	C																																
6.00	EGY		EGYCOMM3A	C																																
6.00	G		SKYNET-4K	N																																
6.00	G		SKYNET-5C	N																																
7.00	F		F-SAT-N3-7E	C																																
7.00	F		F-SAT-N5-7E	C																																
7.00	F		F-SAT-N7-7E	C																																
7.50	ARS	ARB	ARABSAT 8D-7.5E	C																																
8.00	F		DUNIA-3	C																																
8.00	RUS		TOR-8M	N																																
8.00	RUS		VOLNA-15	N																																
8.30	CZE		PEKASAT-3	C																																
8.50	TUR		TURKSAT-8.5E-F	C																																
9.00	F		F-SAT-KA-E-9E	N																																
9.00	F		F-SAT-N3-9E	C																																
9.00	F		F-SAT-N5-9E	C																																
9.00	F		F-SAT-N7-9E	C																																
9.00	G		UK-KA-9E	C																																
9.50	UAE		MADAR-9.5E	C																																
9.50	D	EUM	MTG 9.5E	C																																
10.00	F		3GSAT-G17R	N																																
10.00	G		ECHOSTAR-EML1	C																																
10.00	F		F-SAT-N3-10E	C																																
10.00	F		F-SAT-N5-10E	C																																
10.00	F		F-SAT-N7-10E	C																																
10.00	F		F-SAT-S-E-10E	N																																
10.00	I		ITASAT-1B	C																																
10.60	CHN		CTDRS-2-10.6E	C																																
11.00	ARS	ARB	ARABSAT 8G-11E	C																																
11.00	EGY		EGJAN4A	C																																
11.00	UAE		FUTURA-1	C																																

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11.00	E		HISPASAT-28A	C																																
11.00	E		HISPASAT-48A	C																																
11.00	E		HISPASAT-81A	C																																
11.00	JOR		JORSAT-11E	C																																
11.00	KOR		KTSAT-11E	C																																
11.00	HOL		PESSE-11E-KA	C																																
11.00	PNG		RAGGIANA-28	C																																
11.50	F		F-SAT-N3-11.5E	C																																
11.50	F		F-SAT-N6-11.5E	C																																
11.50	F		F-SAT-N7-11.5E	C																																
11.50	D		H2M-11.5E	C																																
11.50	D		H2SAT-11.5E	C																																
11.80	I		SICRAL-3H	N																																
12.00	RUS		PROGNOZ-2	N																																
12.00	RUS		TOR-18M	N																																
12.00	RUS		VOLNA-27	N																																
12.50	IRN		IRANSAT-12.5E	C																																
12.50	TUR		TURKSAT-12.5E-F	C																																
13.00	RUS		ENSAT-13E	C																																
13.00	F		F-SAT-N3-13E	C																																
13.00	F		F-SAT-N5-13E	C																																
13.00	F		F-SAT-N7-13E	C																																
13.40	MLA		MEASAT-SA2A	C																																
13.40	MLA		MEASAT-SA2B	C																																
13.50	CHN		ITS-13.5E-N	C																																
13.80	ISR		AMS-B2-13.8E	C																																
13.80	ISR		AMS-B7-13.8E	C																																
13.90	G		ECHOSTAR-SM1	C																																
14.00	RUS		TOR-12M	N																																
14.50	F		F-SAT-N3-14.5E	C																																
14.50	F		F-SAT-N5-14.5E	C																																
14.50	F		F-SAT-N7-14.5E	C																																
14.50	QAT		QATARSAT-G2-3	C																																
14.50	QAT		QATARSAT-G4-14.5E	C																																
14.60	UAE		EMARSAT-9Y	C																																
14.60	UAE		FUTURA-3	C																																
15.00	ETH		AFBS-4	C																																
15.00	EGY		EGJAN5A	C																																
15.00	UAE		MADAR-15E	C																																
15.00	RUS		VOLNA-23	N																																
16.00	F		F-SAT-N3-16E	C																																
16.00	F		F-SAT-N5-16E	C																																
16.00	F		F-SAT-N7-16E	C																																

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16.50	CYP		KYPROS-EUROPA-3	C																															
16.80	CHN		CTDRS-2-16.8E	C																															
16.80	CHN		CTDRS-2-16.8E	N																															
17.00	ISR		AMS-C8-17E	C																															
17.00	ISR		AMS-CK-17E	C																															
17.00	ARS	ARB	ARABSAT 8H-17E	C																															
17.00	HOL		PESSE-17E-KA	C																															
17.50	G		UK-KA-17.5E	C																															
17.60	D		H2M-17.6E	C																															
17.60	D		H2SAT-17.6E	C																															
18.00	EGY		EGJAN6A	C																															
18.00	EGY		EGYCOMM5A	C																															
18.90	TUR		TURKSAT-18.9E-F	C																															
19.00	LUX		LUX-KA-19E	N																															
19.00	G		UK-KUKA-2	C																															
19.20	LUX		LUX-G10-5	C																															
19.20	LUX		LUX-G11-5	C																															
19.20	LUX		LUX-G9-5	C																															
19.70	QAT		QATARSAT-G4-19.7E	C																															
20.00	ARS	ARB	ARABSAT 5C-20E	N																															
20.00	ARS	ARB	ARABSAT 7C-20E	C																															
20.00	ARS	ARB	ARABSAT 7C-20E	N																															
20.00	ARS	ARB	ARABSAT 8C-20E	C																															
20.00	G		IOMSAT 20E	C																															
20.00	QAT		QATARSAT-G4-20E	C																															
20.40	CHN		CTDRS-2-20.4E	C																															
20.50	HOL		PESSE-20.5E-KA	C																															
21.00	EGY		EGJAN7A	C																															
21.00	G		UK-KA-21E	C																															
21.35	CYP		CY-AQUARIUS	C																															
21.50	G		ARTEMIS-21.5E-DR	N																															
21.50	G		ARTEMIS-21.5E-LM	N																															
21.50	F		DRN-P2B	C																															
21.50	F		DRN-P2B	N																															
21.50	F		F-SAT-N3-21.5E	C																															
21.50	F		F-SAT-N5-21.5E	C																															
21.50	F		F-SAT-N7-21.5E	C																															
21.50	G		INMARSAT-6-21.5E	C																															
21.50	LUX		LUX-G9-6	C																															
21.50	S		SMMSAT-3R	C																															
21.50	G		UKJKSAT-2	C																															
22.00	E		SECOMSAT-3-22E	C																															
22.50	CYP		KYPROS-ATHENA-4	C																															

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23.00	ISR		AMS-C10-23E	C																																
23.00	ISR		AMS-C3-23E	C																																
23.00	EGY		EGJAN8A	C																																
23.00	RUS		VOLNA-17	N				■																												
23.30	QAT		QATARSAT-G4-23.3E	C											■	■	■																			
23.30	G		UK-KUKA-3	C																																
23.40	CHN		STARTIME-23.4E	C																																
23.50	LUX		LUX-G10-7	C				■																												
23.50	LUX		LUX-G11-7	C				■																												
23.50	LUX		LUX-G6-7	C				■																												
23.50	LUX		LUX-G7-7	C				■																												
23.50	LUX		LUX-G9-7	C				■																												
23.50	HOL		PESSE-23.5E-KA	C																																
23.70	RUS		PRSS-23.7E	C																																
24.00	RUS		TOR-7M	N																																
24.19	IRN		IRANSAT-24.19E	C																																
25.00	G		ESAT 1	N				■																												
25.00	F		F-MILSATCOM2-25E	C																																
25.00	F		F-MILSATCOM-25E	C																																
25.00	F		F-MILSATCOM3-25E	C																																
25.00	G		INMARSAT-3 IOR WEST	N																																
25.00	G		INMARSAT-4 25E	N																																
25.00	G		INMARSAT-4A 25E	N																																
25.00	G		INMARSAT-6-25E	C																																
25.00	F		MR-T-SAT-25E	C																																
25.30	CHN		QXSI-25.3E-EX-L	C																																
25.50	F		F-SAT-N3-25.5E	C																																
25.50	F		F-SAT-N5-25.5E	C																																
25.50	F		F-SAT-N-E-25.5E	C																																
25.50	QAT		QATARSAT-G2-6	C																																
25.90	QAT		QATARSAT-G4-25.9E	C																																
26.00	ARS	ARB	ARABSAT 5B-26E	N																																
26.00	ARS	ARB	ARABSAT 7B-26E	C																																
26.00	ARS	ARB	ARABSAT 7B-26E	N																																
26.00	ARS	ARB	ARABSAT 8B-26E	C																																
26.00	ARS	ARB	ARABSAT-KA-26E	N																																
26.00	QAT		QATARSAT-G2-7	C																																
26.50	IRN		IRANSAT-26.5E	C																																
26.80	CZE		PEKASAT-8	C																																
27.00	IRN		IRANSAT-27E	C																																
27.00	UAE		MADAR-27E	C																																
27.20	IRN		IRANSAT-27.2E	C																																
27.80	TUR		TURKSAT-27.8E-F	C																																

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28.00	QAT		QATARSAT-G4-28E	C																																	
28.20	LUX		LUX-G10-8	C																																	
28.20	LUX		LUX-G11-8	C																																	
28.20	LUX		LUX-G6-8	C																																	
28.20	LUX		LUX-G6-8	N																																	
28.20	LUX		LUX-G9-8	C																																	
28.40	CHN		STARTIME-28.4E	C																																	
28.50	ETH		AFBS-5	C																																	
28.50	F		F-SAT-N3-28.5E	C																																	
29.00	USA		IRIS-10B	C																																	
29.00	E		SECOMSAT-29E	C																																	
29.00	E		SECOMSAT-4-29E	C																																	
29.00	E		SECOMSAT-5-29E	C																																	
29.60	CYP		KYPROS-29.6E	C																																	
30.50	ARS	ARB	ARABSAT 5A-30.5E	N																																	
30.50	ARS	ARB	ARABSAT 7A-30.5E	C																																	
30.50	ARS	ARB	ARABSAT 8A-30.5E	C																																	
30.50	ARS	ARB	ARABSAT-KA-30.5E	N																																	
30.70	QAT		QATARSAT-G4-30.7E	C																																	
31.00	F		EDRS-31E	C																																	
31.00	LUX		LUX-G9-9	C																																	
31.00	S		SMMSAT-4R	C																																	
31.00	TUR		TURKSAT-31E-D	C																																	
31.00	TUR		TURKSAT-31E-F	C																																	
31.00	G		UKJKSAT-1	N																																	
31.00	G		UKMMSAT-B1	C																																	
31.00	G		UKMMSAT-B3	C																																	
31.00	G		UKMMSAT-C	C																																	
31.15	G		UKMMSAT-C0	C																																	
31.20	F		EDRS-31.2E	C																																	
31.50	LUX		LUX-G6-9	C																																	
31.50	LUX		LUX-G6-9	N																																	
31.50	LUX		LUX-G9-10	C																																	
32.50	IND		INSAT-NAVR(32.5)	C																																	
32.50	CHN		SIGNSAT-32E	C																																	
33.00	G		ESAT-5	C																																	
33.00	F		F-MILSATCOM4-33E	C																																	
33.00	F		F-SAT-N3-33E	C																																	
33.00	F		F-SAT-N5-33E	C																																	
33.00	F		F-SAT-N7-33E	C																																	
33.00	UAE		MADAR-33E	C																																	
33.00	UAE		MADAR-33E-2	C																																	
33.00	PNG		NEW DAWN 49	C																																	

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33.50	CHN		CHINASAT-E-33.5E	C																															
33.50	UAE		MADAR-33.5E	C																															
34.00	CHN		CHNNEWSAT-G1-34E	C																															
34.00	IRN		TRANSAT-34E	C																															
34.00	IRN		IRANSAT-B-34E	C																															
34.00	IRN		IRNDBS-KA	C																															
34.50	ARS	ARB	ARABSAT 6E-34.5E	N																															
34.50	ARS	ARB	ARABSAT 8E-34.5E	C																															
34.50	F		F-SAT-N3-34.5E	C																															
34.50	CZE		PEKASAT-10	C																															
35.00	RUS		PROGNOZ-3	N																															
35.00	RUS		TOR-2M	N																															
35.00	RUS		VOLNA-11	N																															
35.50	EGY		EGYCOMMOA	C																															
35.50	EGY		EGYCOMM8A	C																															
36.00	F	EUT	EUTELSAT-KA-36E	N																															
36.00	RUS		EXPRESS-KA-36E	C																															
36.00	F		F-SAT-N3-36E	C																															
36.00	F		F-SAT-N5-36E	C																															
36.00	F		F-SAT-N7-36E	C																															
36.00	F		F-SAT-N-E-36E	C																															
37.00	ARS		S2	C																															
37.00	I		SICRAL-4-37E	N																															
37.50	F		F-SAT-N3-37.5E	C																															
38.00	F		ATHENA-FIDUS-38E	C																															
38.00	F		ATHENA-FIDUS-38E	N																															
38.00	CHN		ITS-38E-N	C																															
38.20	PAK		PAKSAT-MM1-38.2E	C																															
38.20	PAK		PAKSAT-MM1-38.2E-KA	C																															
39.00	F		F-SAT-N2-39E	C																															
39.00	GRC		HELLAS-SAT-2G	N																															
39.00	GRC		HELLAS-SAT-C	C																															
39.00	G		INMARSAT-S4-R	C																															
39.00	CYP		KYPROS-SAT-5	C																															
39.00	CYP		KYPROS-SAT-5	N																															
39.00	CYP		KYPROS-SAT-7	C																															
39.00	G		UKMMSAT-D	C																															
39.20	ISR		AMS-C2-39.2E	C																															
39.50	CHN		APMITSAT1-39.5E	C																															
40.00	ETH		AFBS-6	C																															
40.00	CHN		CHNNEWSAT-G1-40E	C																															
40.00	UAE		MADAR-40E	C																															
40.00	RUS		VOLNA-4R	N																															

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
					2	5	8	11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	
41.00	KOR		KTSAT-41E	C																															
41.00	ARS		S2-N	C																															
41.00	E		SECOMSAT-4-41E	C																															
41.00	E		SECOMSAT-B1-R_41E	C																															
41.50	IRN		IRANSAT-41.5E	C																															
41.50	D	EUM	MSG-41.5E	C																															
41.80	IND		INSAT-KA41.8E	C																															
42.00	UAE		MADAR-42E	C																															
42.00	TUR		TURKSAT-42E-B	C																															
42.00	TUR		TURKSAT-42E-B	N																															
42.00	TUR		TURKSAT-42E-C	C																															
42.00	TUR		TURKSAT-42E-F	C																															
42.30	CHN		QXSI-42.3E-EX-L	C																															
42.50	RUS		ENSAT-KA-42.5E	C																															
42.50	NIG		NIGCOMSAT-1R	C																															
42.50	NIG		NIGCOMSAT-1R	N																															
43.00	ISR		AMS-C3-43E	C																															
43.00	ISR		AMS-C8-43E	C																															
43.20	CHN		SIGNSAT-43E	C																															
43.50	D		H2SAT-43.5E	C																															
43.50	IRN		IRANSAT-43.5E	C																															
43.50	IRN		IRANSAT-B-43.5E	C																															
44.00	UAE		EMARSAT-10F	C																															
44.00	UAE		EMARSAT-12F	C																															
44.00	UAE		EMARSAT-1F	N																															
44.00	UAE		EMARSAT-1F/M	N																															
44.00	UAE		EMARSAT-4F	N																															
44.00	UAE		FUTURA-4	C																															
44.00	KAZ		KAZSAT10R	C																															
44.00	USA		USCSID-A2	N																															
44.20	F		BT-SAT 44.2E	C																															
44.50	ARS	ARB	ARABSAT 8F-44.5E	C																															
44.50	ARS	ARB	ARABSAT-9F-44.5E	C																															
44.50	CHN		CHNNEWSAT-G1-44.5E	C																															
44.50	UAE		MADAR-44.5E	C																															
44.80	IND		INSAT-KA44.8E	C																															
45.00	AZE		AZERSAT 45E	C																															
45.00	D		EUROPESTAR-45E-A	C																															
45.00	F		F-MILSATCOM2-45E	C																															
45.00	F		F-MILSATCOM3-45E	C																															
45.00	F		F-MILSATCOM-45E	C																															
45.00	E		HISPASAT-11A	C																															
45.00	E		HISPASAT-25A	C																															

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45.00	CHN		ITS-45E-N	C																																
45.00	RUS		TOR-3	N																																
45.00	UKR		UKRSAT-KA-45.0E	C																																
45.00	RUS		VOLNA-3	N																																
46.00	UAE		MADAR-46E	C																																
46.00	UAE		MADAR-46E-2	C																																
46.00	MLA		MEASAT-SA4B	C																																
46.00	MLA		MEASAT-SA4C	C																																
47.00	F		F-MILSATCOM2-47E	C																																
47.00	F		F-MILSATCOM3-47E	C																																
47.00	F		F-MILSATCOM-47E	C																																
47.50	D		EUROPESTAR-47.5E	N																																
47.50	UAE		MADAR-47.5E	C																																
47.50	UAE		MADAR-47.5E-2	C																																
47.50	UAE		YAHSAT-KA-47.5E	N																																
48.00	F		F-SAT-N3-48E	C																																
48.00	F		F-SAT-N5-48E	C																																
48.00	IND		IND-SATS-48E	C																																
48.00	IND		INSAT-2M (48)	N																																
48.00	IND		INSAT-KA48E	C																																
48.00	IND		INSAT-L-MSS (48E)	C																																
48.20	CHN		ASIASAT-48.2Q	C																																
49.00	RUS		TOR-16M	N																																
49.00	RUS		VOLNA-25	N																																
49.00	RUS		YAMAL-KA1M	C																																
50.00	J		N-SAT-Y17-50E	C																																
50.00	E		SECOMSAT-3-50E	C																																
50.00	E		SECOMSAT-50E	C																																
50.00	IRQ		SUMER-2	C																																
50.00	TUR		TURKSAT-50E-B	C																																
50.00	TUR		TURKSAT-50E-B	N																																
50.00	TUR		TURKSAT-50E-C	C																																
50.00	TUR		TURKSAT-50E-F	C																																
50.50	UAE		MADAR-50.5E	C																																
50.50	UAE		MADAR-50.5E-2	C																																
50.50	UAE		MADAR-50.5E-3	C																																
50.50	HOL		NSS-G4-22	C																																
50.50	HOL		NSS-G7-50.5E	C																																
50.50	THA		THAICOM-P1R	C																																
51.00	OMA		OMANSAT-51E	C																																
51.00	THA		THAICOM-51	C																																
51.20	IND		INSAT-KA51.2E	C																																
51.50	BLR		BTS-3-NP	C																																

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51.50	CHN		CHINASAT-E-51.5E	C																															
52.00	MCO		MONASAT-52E	C																															
52.00	MCO		MONASAT-52EA	C																															
52.00	MCO		MONASAT-52EB	C																															
52.20	LUX		LUX-G11-14	C																															
52.50	UAE		EMARSAT-5G	C																															
52.50	UAE		EMARSAT-5G	N																															
52.50	UAE		MADAR-52.5E	C																															
52.50	UAE		MADAR-52.5E-2	C																															
52.50	UAE		YAHSAT	N																															
52.50	UAE		YAHSAT-KA1-52.5E	C																															
53.00	RUS		EXPRESS-5KA	N																															
53.00	G		SKYNET-4L	N																															
53.00	G		SKYNET-5D	N																															
53.00	USA		USNN-2	C																															
53.00	RUS		VOLNA-4	N																															
53.20	UKR		UKRSAT-KA-53.2E	C																															
53.50	IRN		IRANSAT-53.5E	C																															
54.00	OMA		OMANSAT-54E	C																															
54.50	CYP		KYPROS-ZEUS-3	C																															
55.00	IND		INSAT-KA55E	C																															
55.00	LUX		LUX-G7-14	C																															
55.00	UAE		MADAR-55E	C																															
55.00	PNG		RAGGIANA-25	C																															
55.00	S		SMMSAT-5R	C																															
55.00	S		SMMSAT-7	C																															
55.00	G		UKMMSAT-E	C																															
55.50	CYP		JUPITER-1C	C																															
55.50	MLA		MEASAT-ROUTE-2D	C																															
55.50	S		SMMSAT-6R	C																															
55.70	CHN		CHINASAT-D-55.7E	C																															
56.00	IRN		IRANSAT-56E	C																															
56.00	IRN		IRANSAT-B-56E	C																															
56.00	UAE		MADAR-56E	C																															
56.50	RUS	IK	IK-56.5E	C																															
56.50	NOR		SE-KA-56.5E	C																															
57.00	E		HISPASAT-38A	C																															
57.00	E		HISPASAT-65A	C																															
57.00	CYP		KYPROS-HERMES-4	C																															
57.00	UAE		MADAR-57E	C																															
57.00	UAE		MADAR-57E-2	C																															
57.00	HOL		NSS-G4-23	C																															
57.00	HOL		NSS-G5-18	C																															

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57.00	HOL		NSS-G9-57E	C																																
57.00	HOL		PESSE-57E	C																																
57.50	CHN		CHINASAT-D-57.5E	C																																
57.50	D	EUM	METEOSAT IODC 57.5E	N																																
58.00	G		INMARSAT-6-58E	C																																
58.00	IRN		IRANSAT-58E	C																																
58.00	IRN		IRANSAT-B-58E	C																																
58.00	RUS		TOR-13M	N																																
58.30	ETH		ETHIOSAT-1	C																																
58.45	F		F-SAT-N3-58.45E	C																																
58.50	AZE		AZERSAT-F	C																																
58.50	KAZ		KAZSAT1S	C																																
58.75	CHN		COMPASS-58.75E	C																																
58.75	CHN		COMPASS-58.75E	N																																
59.00	AZE		AZERSAT-H (59E)	C																																
59.00	RUS		BRASLET-59E	C																																
59.00	CHN		DFH-5-02A	C																																
59.00	E		HISPASAT-60A	C																																
60.00	CHN		ASIASAT-60Q	C																																
60.00	CHN		ASIASAT-60T	C																																
60.00	UAE		MADAR-60E	C																																
60.00	UAE		MADAR-60E-2	C																																
60.00	PNG		NEW DAWN 21	C																																
60.00	PNG		NEW DAWN 21	N																																
60.00	PNG		NEW DAWN 44	C																																
60.00	HOL		NSS-G5-2	C																																
60.00	USA		USASAT-80B	C																																
60.50	CHN		CHINASAT-E-60.5E	C																																
60.75	F		CP 60.75E G2	C																																
61.00	IND		INSAT-KA61E	C																																
61.50	IRN		IRANSAT-61.5E	C																																
61.50	G		UKMMSAT-F	C																																
61.80	IRN		IRANSAT-61.8E	C																																
61.80	IRN		IRANSAT-B-61.8E	C																																
62.00	PNG		NEW DAWN 45	C																																
63.00	G		INMARSAT-KA 63E	C																																
63.00	G		INMARSAT-KA 63E	N																																
63.00	UAE		MADAR-63E	C																																
63.00	NOR		SE-KA-63E	C																																
63.00	UAE		YAHSAT-63E	N																																
64.00	G		INMARSAT GSO-2N	N																																
64.00	G		INMARSAT-3 IOR-1	N																																
64.00	G		INMARSAT-4B 64E	C																																

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64.00	G		INMARSAT-6-64E	C																															
64.00	PNG		NEW DAWN 46	C																															
64.30	IND		INSAT-KA64.3E	C																															
64.40	BLR		BTS-2-NP	C																															
64.50	CHN		ITS-AR-64.5E	C																															
65.00	ISR		AMS-4-65E	N																															
65.00	ISR		AMS-C3-65E	C																															
65.00	PNG		PACIFISAT-7	C																															
65.45	IRQ		SUMER-1	C																															
66.00	E		SECOMSAT-1-66E	C																															
66.50	CHN		DFH-5-03A	C																															
67.00	RUS		ENSAT-KA-67E	C																															
67.00	OMA		OMANSAT-67E	C																															
67.00	PNG		PACIFISAT KA-67E	C																															
67.50	ARS	ARB	ARABSAT-9M-67.5E	C																															
67.50	F		AST-1KAU-67.5E	C																															
67.50	SUI		INMARSAT-7-67E5	C																															
67.50	UAE		MADAR-67.5E	C																															
68.00	CHN		CHNNEWSAT-G1-68E	C																															
68.00	AUS		DEF-R-SAT-5B	C																															
68.00	IND		INSAT-KA68E	C																															
68.00	IRN		IRANSAT-68E	C																															
68.50	CYP		KYPROS-68.5E	C																															
69.00	RUS		TOR-14M	N																															
69.50	RUS	IK	IK-69.5E	C																															
69.50	IRN		IRANSAT-B-69.5E	C																															
70.00	PNG		PACIFISAT KA-70E	C																															
70.00	RUS		TOR-17M	N																															
70.00	RUS		VOLNA-19	N																															
70.50	F		F-SAT-N3-70.5E	C																															
70.50	F		F-SAT-N5-70.5E	C																															
70.50	IRN		IRANSAT-70.5E	C																															
71.00	CHN		ASIASAT-71R	C																															
71.40	ARM		ARMSAT1	C																															
72.00	F		HORIZONSAT-5	C																															
72.00	IRN		IRANSAT-72E	C																															
72.00	USA		IRIS-5B	C																															
72.10	AUS		ADF UHF-2	N																															
72.10	F		AST-ERIX-72.1E	C																															
72.50	G		IOMSAT-G1-2	C																															
72.50	UAE		MADAR-72.5E	C																															
72.50	UAE		MADAR-72.5E-2	C																															
72.50	UAE		MADAR-72.5E-3	C																															

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73.00	CHN		CHNNEWSAT-G1-73E	C																																
73.00	SUI		INMARSAT-7-73E	C																																
73.00	KAZ		KAZSAT12	C																																
73.50	F		F-SAT-N3-73.5E	C																																
73.50	OMA		OMANSAT-73.5E	C																																
73.50	QAT		QATARSAT-G3-19	C																																
73.50	QAT		QATARSAT-G4-73.5E	C																																
74.00	IND		INSAT-1B	N																																
74.00	IND		INSAT-2M (74)	N																																
74.00	IND		INSAT-KA74E	C																																
74.00	IND		INSAT-KAUHF (74)	N																																
75.00	RUS	IK	INTERSPUTNIK-75E-Q	C																																
75.00	USA		IRIS-6A	C																																
75.00	USA		IRIS-6A	N																																
75.00	PNG		PACIFISAT KA-75E	C																																
75.00	PNG		PACIFISAT KA-75E	N																																
75.00	USA		USCSID-A3	N																																
75.75	CYP		KYPROS-75.75E	C																																
76.00	RUS		GOMS-M	N																																
76.50	RUS		GT-SAT-76.5E	C																																
77.00	CHN		CTDRS-2-77E	C																																
77.00	QAT		QATARSAT-G5-77E	C																																
77.10	IND		INSAT-KA77.1E	C																																
77.50	IRN		IRANSAT-77.5E	C																																
77.50	KAZ		KAZSAT7S	C																																
77.50	QAT		QATARSAT-G3-20	C																																
77.50	QAT		QATARSAT-G4-77.5E	C																																
78.00	ISR		AMS-C11-78E	C																																
78.00	E		HISPASAT-61A	C																																
78.00	SUI		INMARSAT-7-78E	C																																
78.00	PNG		PACIFISAT-78E	C																																
78.00	E		SECOMSAT-2-78E	C																																
78.00	E		SECOMSAT-78E	C																																
78.20	CHN		CHNNEWSAT-G1-78.2E	C																																
78.50	MLA		MEASAT-78.5E-C	C																																
78.50	MLD		MVSAT-78.5E	C																																
78.50	THA		THAICOM-LSX2R	C																																
78.50	THA		THAICOM-Q2	C																																
79.00	UAE		EMARSAT-9I	C																																
79.00	UAE		MADAR-79E	C																																
79.60	CHN		CHINASAT-34A	N																																
80.00	CHN		CHINASAT-31	N																																
80.00	CHN		COMPASS-80E	C																																

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80.00	CHN		COMPASS-80E	N																															
80.00	CHN		CTDRS-2-80E	C																															
80.00	RUS		PROGNOZ-4	N																															
80.00	RUS		VOLNA-8R	C																															
80.00	RUS		VOLNA-8R	N																															
80.30	CHN		COMPASS-80.3E	C																															
80.50	F		F-SAT-N4-80.5E	C																															
80.50	F		F-SAT-N5-80.5E	C																															
81.00	IRN		IRANSAT-81E	C																															
81.00	TUR		TURKSAT-81E-F	C																															
81.50	ARS	ARB	ARABSAT-9AS-81.5E	C																															
81.50	CHN		CHNSAT-81.5E	C																															
81.75	RUS		YAMAL-E3M1	C																															
82.00	J		N-SAT2-82E	C																															
82.00	J		N-SAT-Y13-82E	C																															
82.00	J		N-SAT-Y15-82E	C																															
82.00	J		N-SAT-Y18-82E	C																															
82.00	G		SENTIENT-1	C																															
82.00	USA		USCSID-A4	N																															
82.50	ISR		AMS-C3-82.5E	C																															
82.50	ISR		AMS-C8-82.5E	C																															
82.50	IND		INSAT-KA82.5E	C																															
83.00	IND		INSAT-2M (83)	N																															
83.00	IND		INSAT-NAVR (83)	C																															
83.00	IND		INSAT-NAVR (83)	N																															
83.00	MLA		MEASAT-ROUTE-6	C																															
83.50	F		F-SAT-N4-83.5E	C																															
83.50	F		F-SAT-N5-83.5E	C																															
83.50	G		INMARSAT-6-83E5	C																															
83.50	G		INMARSAT-KA 83.5E	C																															
83.50	CHN		ITS-AR-83.5E	C																															
83.50	NOR		SE-KA-83.5E	C																															
83.75	RUS		PRSS-83.75E	C																															
84.00	CHN		CHINASAT-34B	N																															
84.00	CHN		COMPASS-B-84E	C																															
84.50	CHN		QXSI-84.5E-EX-L	C																															
85.00	UAE		MADAR-85E	C																															
85.00	PNG		NEW DAWN 34	C																															
85.00	RUS		TOR-4	N																															
85.00	RUS		TOR-4M	N																															
85.00	RUS		VOLNA-5	N																															
85.15	J		N-SAT-Y17-85.15E	C																															
85.20	HOL		NSS-G4-25	C																															

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85.30	INS		NUSANTARA-H2-A	C																																
85.30	PNG		PACIFISAT-85.3E	C																																
85.40	RUS		SADKO-1	N									■			■	■																			
85.50	CHN		CHINASAT-E-85.5E	C																																
85.50	IND		INSAT-KA85.5E	C																																
86.00	G		INMARSAT-6-86E	C									■																							
86.50	KAZ		KAZSAT2A	C																																
87.00	F		F-SAT-N4-87E	C											■	■																				
87.00	F		F-SAT-N5-87E	C											■	■																				
87.00	CYP		KYPROS-HEMERA-1	C											■	■		■																		
87.00	MLA		MEASAT-87E-B	C											■	■																				
87.50	CHN		CHINASAT-D-87.5E	C									■		■	■																				
87.50	SUI		INMARSAT-7-87E5	C																																
88.00	J		N-SAT2-88E	C																																
88.00	J		N-SAT-Y17-88E	C																																
88.20	CHN		ASIASAT-88.2Q	C																																
88.50	F		F-SAT-N4-88.5E	C											■	■																				
88.50	F		F-SAT-N5-88.5E	C											■	■																				
89.00	IND		INSAT-KA89E	C																																
89.50	CYP		KYPROS-ARES-3	C				■							■	■	■	■																		
89.50	CYP		KYPROS-ORION	C				■							■	■	■	■																		
89.50	CYP		ONETEL-89.5E	C				■							■	■	■	■																		
89.80	CHN		STARTIME-3	C				■							■	■	■	■																		
90.00	CYP		KYPROS-APHRODITE-2	C				■							■	■	■	■																		
90.00	CYP		ONETEL-90E	C				■							■	■	■	■																		
90.00	RUS		VOLNA-8	N									■																							
90.00	RUS		YAMAL-KA2M	C																																
90.50	J		QZSS-GS1	C											■	■																				
90.50	J		QZSS-GS-A1	C											■	■																				
90.75	J		DRS-90.75E	C																																
90.75	J		N-SAT-Y17-90.75E	C																																
91.50	UAE		MADAR-91.5E	C																																
91.50	MLA		MEASAT-1A	N																																
91.50	MLA		MEASAT-1B	C				■							■	■	■	■																		
92.00	USA		USCSID-A5	N																																
92.20	CHN		CHNBSAT-K-92.2E	C																																
92.50	CHN		APSTAR-92.5E	C																																
92.50	J		DRS-92.5E	C																																
93.00	RUS		GT-SAT-93E	C																																
93.00	J		N-SAT2-93E	C																																
93.00	J		N-SAT-Y15-93E	C																																
93.00	J		N-SAT-Y18-93E	C																																
93.50	IND		IND-SATS-93.5E	C																																

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93.50	IND		INSAT-2M (93.5)	N																																
93.50	IND		INSAT-KA93.5E	C																																
94.20	CHN		DFH-5-01A	C																																
95.00	RUS		CSDRN-M	C																																
95.00	RUS		CSDRN-M	N																																
95.00	G		HMG-SAT-01A	C																																
95.00	HOL		NSS-G2-18	C																																
95.00	HOL		NSS-G2-18	N																																
95.00	HOL		NSS-G4-26	C																																
95.00	HOL		NSS-G8-95E	C																																
95.50	J		DRS-95.5E	C																																
95.50	INS		NUSANTARA-B3-A	C																																
95.60	AUS		DEF-R-SAT-6B	C																																
96.00	F		F-SAT-N4-96E	C																																
96.00	CHN		SIGNSAT-96E	C																																
96.10	CBG		CBGSAT-96.1E	C																																
96.50	RUS		VOLNA-5R	N																																
97.00	G		HMG-SAT-01	C																																
97.00	KOR		KTSAT-97E	C																																
97.00	MLA		MEASAT-3B	C																																
97.00	G		UKSAT-32	C																																
97.30	IND		INSAT-KA97.3E	C																																
97.50	VTN		VNSAT-2A2	C																																
98.00	CHN		CHINASAT-44	N																																
98.20	CHN		CHNSAT-98E	C																																
98.20	CHN		CHNSAT-98E	N																																
98.50	UAE		EMARSAT-10S	C																																
98.50	UAE		EMARSAT-13S	C																																
98.50	UAE		EMARSAT-4S	N																																
98.50	UAE		EMARSAT-7S	N																																
98.50	J		N-SAT2-98.5E	C																																
99.00	RUS		ENSAT-KA-99E	C																																
99.00	QAT		QATARSAT-G3-24	C																																
100.00	USA		USNN-4	N																																
100.50	CHN		ASIASAT-100.5Q	C																																
100.50	CHN		ASIASAT-100.5T	C																																
100.75	CYP		KYPROS-100.75E	C																																
101.00	IND		INSAT-KA101E	C																																
101.40	CHN		CHNSAT-M-101.4E	C																																
101.50	CHN		CHINASAT-45	N																																
101.50	CHN		CHNEWSAT-G1-101.5E	C																																
102.50	VTN		VNSAT-4A12	C																																
103.00	CHN		CHNSAT-103E	C																																

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133.50	LUX		LUX-G9-25	C																															
134.00	CHN		G4SAT-134E	C																															
134.00	CYP		KYPROS-134E	C																															
134.00	CYP		ONETEL-134E	C																															
134.00	G		UK-KA-134E	C																															
135.00	AUS		AUS-NBN-135E	C																															
135.00	J		S-SAT-135E	C																															
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136.00	RUS		ENSAT-KA-136E	C																															
136.00	F		F-SAT-N3-136E	C																															
136.00	F		F-SAT-N5-136E	C																															
136.00	J		N-SAT-Y12-136E	C																															
136.00	J		N-SAT-Y15-136E	C																															
136.00	J		N-SAT-Y18-136E	C																															
136.00	J		N-STAR-B	N																															
136.00	J		N-STAR-E	N																															
136.50	F		F-SAT-N6-136.5E	C																															
137.00	ISR		AMS-B9-137E	C																															
137.00	ISR		AMS-C1-137E	C																															
137.00	F		F-SAT-N4-137E	C																															
137.00	LUX		LUX-G9-60	C																															
137.00	HOL		PESSE-137E-KA	C																															
137.00	J		QZSS-GS5	C																															
137.00	J		QZSS-GS-A5	C																															
137.00	J		S-SAT-137E	C																															
137.50	G		UK-KA-137.5E	C																															
137.80	UAE		EMARSAT-9Q	C																															
138.00	CHN		G4SAT-138E	C																															
138.00	E		HISPASAT-69A	C																															
138.00	G		IOMSAT-KA-138E	C																															
138.00	CYP		KYPROS-SELENE-1	C																															
138.00	G		TSAT-1	C																															
140.00	AUS		AUS-NBN-3	N																															
140.00	CHN		CHINASAT-32	N																															
140.00	CHN		COMPASS-140E	C																															
140.00	CHN		COMPASS-140E	N																															
140.00	RUS		EXPRESS-10KA	C																															
140.00	RUS		EXPRESS-10KA	N																															
140.00	F		F-SAT-N2-140E	C																															
140.00	F		F-SAT-N4-140E	C																															
140.00	RUS		VOLNA-6	N																															

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140.40	CHN		CHINASAT-35B	N																																	
141.50	J		ETS9-B	C																																	
142.00	UAE		MADAR-142E	C																																	
142.00	UAE		MADAR-142E-2	C																																	
142.00	THA		THAICOM-N5	C																																	
142.50	CHN		ASIASAT-142.5Q	C																																	
142.50	AUS		AUS-NBN-142.5E	C																																	
142.50	SUI		INMARSAT-7-142E5	C																																	
143.00	J		ETS9-A	C																																	
143.00	F		F-SAT-N6-143E	C																																	
143.00	J		WINDS-A	N																																	
143.50	G		INMARSAT-3 POR-3	N																																	
143.50	G		INMARSAT-4 143.5E	N																																	
143.50	G		INMARSAT-4A 143.5E	N																																	
143.50	G		INMARSAT-6-143.5E	C																																	
144.00	J		N-SAT-Y12-144E	C																																	
144.00	J		N-SAT-Y15-144E	C																																	
144.00	J		N-SAT-Y18-144E	C																																	
144.00	INS		PALAPA PACIFIC-144E	C																																	
144.50	CHN		CHINASAT-35C	N																																	
144.50	CHN		COMPASS-B-144.5E	C																																	
145.00	AUS		AUS-NBN-4	C																																	
145.00	J		MTSAT-B-145E	N																																	
145.00	RUS		RUSATCOM-145E	C																																	
145.00	RUS		VOLNA-6R	C																																	
145.00	RUS		VOLNA-6R	N																																	
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146.00	J		ETS-8	N																																	
146.00	J		ETS9-C	C																																	
146.00	INS		NUSANTARA-PE1-A	C																																	
146.00	INS		PSN-146E	C																																	
146.50	J		S-SAT-146.5E	C																																	
147.00	G		INMARSAT-6-147E	C																																	
147.50	CHN		ASIASAT-147.5Q	C																																	
148.00	AUS		AUS-NBN-148E	C																																	
148.00	F		CD-SAT 148E	C																																	
148.00	LUX		LUX-G10-26	C																																	
148.00	MLA		MEASAT-2B	C																																	
148.00	MLA		MEASAT-2C	C																																	
148.00	HOL		NSS-G4-32	C																																	
148.00	NOR		SE-KA-148E	C																																	
148.00	G		UK-KA-148E	C																																	
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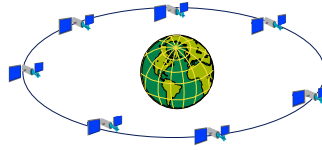
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148.30	CHN		QXSI-148.3E-EX-L	C																																
149.00	RUS		BRASLET-149E	C																																
150.00	J		N-SAT-Y12-150E	C																																
150.00	J		N-SAT-Y15-150E	C																																
150.00	J		N-SAT-Y18-150E	C																																
150.00	G		UK-KA-150E	C																																
150.20	LUX		LUX-G9-26	C																																
150.50	J		N-SAT-Y13-150.5E	C																																
150.50	INS		PALAPA-C4-B	C																																
151.00	RUS		PRSS-151E	C																																
151.00	NOR		SE-KA-151E	C																																
151.00	CHN		SIGNSAT-151E	C																																
151.50	F		LH-SAT 151.5E	C																																
151.50	F		LH-SAT-151.5E-G2	C																																
152.00	F		CD-SAT 152E	C																																
152.00	F		CD-SAT-152E-G2	C																																
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154.00	J		N-SAT-Y15-154E	C																																
154.00	HOL		PESSE-154E	C																																
155.00	CHN		DFH-4-OAF	C																																
155.90	F		F-SAT-N3-155.9E	C																																
155.90	F		F-SAT-N5-155.9E	C																																
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156.00	AUS		AUSSAT C 156E GOVR	N																																
156.00	AUS		AUSSAT F 156E	C																																
156.00	PNG		PACIFISAT KA-1 156E	C																																
157.00	PNG		NEW DAWN 40	C																																
157.00	PNG		NEW DAWN 47	C																																
158.00	J		N-SAT-Y12-158E	C																																
158.00	J		N-SAT-Y15-158E	C																																
158.00	HOL		PESSE-158E	C																																
158.00	G		UK-KA-158E	C																																
158.50	CHN		SIGNSAT-160E	C																																
159.00	INS		NUSANTARA-H3-A	C																																
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159.00	PNG		PACIFISAT-159E	C																																
159.00	S		SMMSAT-7R	C																																
160.00	AUS		AUSSAT F 160E	C																																
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160.00	CHN		COMPASS-160E	N																																
160.00	UAE		MADAR-160E	C																																

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160.00	UAE		MADAR-160E-2	C																																	
160.20	CHN		CHNNEWSAT-G1-160.2E	C																																	
162.00	J		N-SAT-Y12-162E	C																																	
162.00	J		N-SAT-Y15-162E	C																																	
162.00	J		N-SAT-Y18-162E	C																																	
162.00	J		SUPERBIRD-B	N																																	
162.00	J		SUPERBIRD-B2-KA	N																																	
162.00	J		SUPERBIRD-B2-R	N																																	
163.00	CHN		CHINASAT-CL11	C																																	
163.00	CHN		CHINASAT-D-163E	C																																	
163.50	F		F-SAT-N4-163.5E	C																																	
164.00	AUS		AUSSAT B 164E	N																																	
164.00	AUS		AUSSAT B 164E MOB	N																																	
164.00	RUS	IK	INTERSPUTNIK-164E	C																																	
164.10	F		F-SAT-N4-164.1E	C																																	
165.00	S		SMMSAT-8R	C																																	
165.80	RUS		GOMS-166E	C																																	
165.80	RUS		GOMS-166E	N																																	
166.00	UAE		FUTURA-2	C																																	
166.00	UAE		MADAR-166E	C																																	
166.00	D		ODYSSEY-166E	C																																	
166.00	RUS		PROGNOZ-6	N																																	
167.00	CHN		CHNNEWSAT-G1-167E	C																																	
167.00	CHN		CTDRS-2-167E	N																																	
167.00	RUS		VSSRD-2M	C																																	
167.00	RUS		VSSRD-2M	N																																	
168.00	J		QZSS-GS8	C																																	
168.00	J		QZSS-GS-A8	C																																	
169.00	CHN		CHNNEWSAT-G1-169E	C																																	
169.00	F		F-SAT-N3-169E	C																																	
169.00	F		F-SAT-N5-169E	C																																	
169.00	PNG		NEW DAWN 43	C																																	
169.00	PNG		NEW DAWN 48	C																																	
169.00	D		ODYSSEY-169E	C																																	
170.00	USA		USNN-5	C																																	
170.50	F		F-SAT-N4-170.5E	C																																	
171.00	CHN		CHNNEWSAT-G1-171E	C																																	
171.00	CHN		CTDRS-2-171E	C																																	
171.00	CHN		CTDRS-2-171E	N																																	
172.00	F		F-SAT-N-172E	C																																	
172.00	F		F-SAT-N5-172E	C																																	
172.00	USA		IRIS-7B	C																																	
172.00	G		UKPAC-2	C																																	

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173.00	CHN		DFH-5-02B	C																																
174.00	F		F-SAT-N4-174E	C																																
174.00	E		HISPASAT-68A	C																																
174.00	CYP		KYPROS-ACHILLEAS-3	C																																
174.10	PNG		PACIFISAT-174.1E	C																																
176.00	RUS		ENSAT-KA-176E	C																																
176.00	LUX		LUX-G9-30	C																																
176.00	HOL		NSS-G8-176E	C																																
176.10	PNG		PACIFISAT1-176.1E	C																																
176.80	CHN		CTDRS-2-176.8E	C																																
176.80	CHN		CTDRS-2-176.8E	N																																
178.00	F		F-SAT-N4-178E	C																																
178.00	G		INMARSAT-3 POR-2	C																																
178.00	G		INMARSAT-3 POR-2	N																																
178.00	G		INMARSAT-6-178E	C																																
178.00	D		ODYSSEY POR	C																																
178.50	CHN		DFH-5-03B	C																																
180.00	G		INMARSAT-KA 180E	C																																
180.00	G		INMARSAT-KA 180E	N																																
180.00	NOR		SE-KA-180E	C																																
180.00	NOR		SE-KA-180E	N																																



SECTION A3

LISTE DES RÉSEAUX SPATIAUX
GÉOSTATIONNAIRES POUR LESQUELS DES
RENSEIGNEMENTS ONT ÉTÉ COMMUNIQUÉS EN
APPLICATION DES DISPOSITIONS DE L'ARTICLE 9
(NUMÉROS 9.7 ET 9.11)/RÉSOLUTION 33 ET/OU DE
L'ARTICLE 11 DU RÈGLEMENT DES
RADIOCOMMUNICATIONS

A3 节

根据《无线电规则》第9条（第9.7和9.11款）
/第33号决议和/或第11条的规定，已通
报了相关信息的对地静止空间网络的清单

SECTION A3

LIST OF GEOSTATIONARY SPACE NETWORKS
FOR WHICH INFORMATION HAS BEEN
COMMUNICATED IN APPLICATION OF THE
PROVISIONS OF ARTICLE 9
(NOS. 9.7 AND 9.11)/RESOLUTION 33 AND/OR
ARTICLE 11 OF THE RADIO REGULATIONS

РАЗДЕЛ А3

СПИСОК ГЕОСТАЦИОНАРНЫХ КОСМИЧЕСКИХ
СЕТЕЙ, СВЕДЕНИЯ ПО КОТОРЫМ БЫЛИ
СООБЩЕНЫ В ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ
СТАТЬИ 9 (ПП. 9.7 И 9.11)/РЕЗОЛЮЦИИ 33 И/ИЛИ
СТАТЬИ 11 РЕГЛАМЕНТА РАДИОСВЯЗИ

SECCIÓN A3

LISTA DE REDES ESPACIALES
GEOESTACIONARIAS SOBRE LAS CUALES SE HA
COMUNICADO INFORMACIÓN EN APLICACIÓN DE
LAS DISPOSICIONES DEL ARTÍCULO 9
(NÚMEROS 9.7 Y 9.11)/RESOLUCIÓN 33 Y/O DEL
ARTÍCULO 11 DEL REGLAMENTO DE
RADIOCOMUNICACIONES

القسم A3

قائمة الشبكات الفضائية المستقرة بالنسبة إلى الأرض
التي تم إرسال معلومات خاصة بها تطبيقاً لأحكام
المادة 9 (الرقمان 7.9 و11.9)/القرار 33 و/أو
المادة 11 من لوائح الراديو

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-178.00	CHN		CHNNEWSAT-G1-178W	C																																
-177.00	HOL		NSS-G4-1	C																																
-177.00	HOL		NSS-G4-1 1	C																																
-177.00	HOL		NSS-G5-5	C																																
-177.00	HOL		NSS-G5-5 1	C																																
-177.00	HOL		NSS-G9-177W	C																																
-175.00	G		INMARSAT-6-175W	C																																
-174.50	CYP		KYPROS-ARTEMIS-3	C																																
-174.50	CYP		KYPROS-ARTEMIS-3 1	C																																
-173.00	J		N-SAT-Y18-173W	C																																
-169.50	HOL		NSS-G5-1	C																																
-169.50	HOL		NSS-G5-1 1	C																																
-167.00	G		GANTS-3	C																																
-166.20	NCG		NICASAT-2A	C																																
-165.00	F		F-SAT-N6-165W	C																																
-161.00	CYP		KYPROS-OKEANOS-3	C																																
-161.00	CYP		KYPROS-OKEANOS-3 1	C																																
-159.00	G		INMARSAT-6-159W	C																																
-157.00	HOL		NSS-G4-2	C																																
-157.00	HOL		NSS-G4-2 1	C																																
-157.00	HOL		NSS-G8 157W	C																																
-156.00	F		F-SAT-N4-156W	C																																
-156.00	F		F-SAT-N4-156W 1	C																																
-154.00	G		AURORA-IV-154W	C																																
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-148.00	G		INMARSAT-6-148W	C																																
-147.00	G		INMARSAT-6-147W	C																																
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-137.00	CYP		KYPROS-137W	C																																
-137.00	HOL		NSS-G7 137W	C																																
-137.00	HOL		NSS-G8-137W	C																																
-135.00	LUX		LUX-G10-37	C																																
-135.00	LUX		LUX-G9-37	C																																
-135.00	HOL		NSS-G7 135W	C																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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-133.00	F		F-SAT-N4-133W_1	C																																
-133.00	F		F-SAT-N5-133W	C																																
-133.00	F		F-SAT-N5-133W_1	C																																
-133.00	F		F-SAT-N6-133W	C																																
-133.00	G		UK-KA-13	C																																
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-131.00	E		HISPASAT-67A	C																																
-131.00	HOL		NSS-G4-6	C																																
-131.00	HOL		NSS-G4-6_1	C																																
-131.00	HOL		NSS-G7-131W	C																																
-130.90	UAE		EMARSAT-12D-M	C																																
-129.00	G		GIBSAT-G14-2	C																																
-129.00	LUX		LUX-G9-38	C																																
-127.00	J		N-SAT2-127W	C																																
-127.00	J		N-SAT-Y15-127W	C																																
-127.00	J		N-SAT-Y18-127W	C																																
-127.00	D		ODYSSEY-127W	C																																
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-125.00	CHN		CHNNEWSAT-G1-125W	C																																
-125.00	HOL		NSS-G6-7	C																																
-124.90	G		UKNETSAT-124.9W	C																																
-124.00	UAE		MADAR-124W	C																																
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-123.10	F		CD-SAT-123.1W-G2	C																																
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-123.00	UAE		MADAR-123W-2	C																																
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-117.00	F		F-SAT-N5-117W	C																																
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-117.00	UAE		MADAR-117W	C																																
-117.00	UAE		MADAR-117W_1	C																																
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-116.90	F		F-SAT-N4-116.9W_1	C																																
-116.15	USA		USASAT-28N	N																																
-115.00	HOL		BSSNET2A-115W	C																																
-115.00	USA		USASAT-28G	N																																
-115.00	HOL		V-RDBS1	C																																
-114.90	CYP		KYPROS-114.9W	C																																
-113.00	F		F-SAT-N4-113W	C																																

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-113.00	F		F-SAT-N5-113W	C																																	
-113.00	G		GIBSAT-G12-1	C																																	
-113.00	RUS	IK	INTERSPUTNIK-113W	C																																	
-113.00	UAE		MADAR-113W	C																																	
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-113.00	CYP		SUPREMESAT-113W	C																																	
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-110.90	HOL		V-RDBS2	C																																	
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-107.30	CAN		CAN-BSS-107.3W	C																																	
-107.30	CAN		CAN-BSS36	C																																	
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-99.00	USA		USABSN-13A	N																																	
-98.00	G		INMARSAT-6-98W	C																																	
-98.00	J		N-SAT-Y17-98W	C																																	
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-97.50	E		HISPASAT-54A	C																																	
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-96.00	USA		USASAT-28L	N																																	
-95.20	USA		USASAT-76E	C																																	
-95.15	HOL		BSSNET2A-95W	C																																	
-95.15	USA		USABSN-24	C																																	
-95.00	UAE		MADAR-95W	C																																	
-95.00	UAE		MADAR-95W_1	C																																	
-95.00	UAE		MADAR-95W-2	C																																	

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-18.00	UAE		MADAR-18W	C																																	
-18.00	UAE		MADAR-18W_1	C																																	
-18.00	G		UKNETSAT-18W	C																																	
-18.00	G		UKNETSAT-18W_1	C																																	
-17.50	G		INMARSAT-6-17.5W	C																																	
-17.50	UAE		YAHSAT-G6-17.5W	C																																	
-16.00	RUS	IK	INTERSPUTNIK-16W-4_1	C																																	
-16.00	UAE		MADAR-16W	C																																	
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-16.00	NIG		NIGCOMSAT-2B	C																																	
-16.00	S		SIRIUS-16W-1	C																																	
-15.50	G		INMARSAT-6-15.5W	C																																	
-15.00	CAN		CANSAT-61	C																																	
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-14.00	CYP		KYPROS-14W	C																																	
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-9.00	UAE		EMARSAT-12Y-M	C																																	
-9.00	UAE		EMARSAT-9Y/M	C																																	
-8.00	UAE		EMARSAT-13V-M	C																																	
-8.00	F		F-SAT-N3-8W	C																																	
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-8.00	F		F-SAT-N7-8W	C																																	

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3.00	F		F-SAT-N3-3E_1	C																																
3.00	F		F-SAT-N5-3E	C																																
3.00	F		F-SAT-N5-3E_1	C																																
3.00	F		F-SAT-N7-3E	C																																
3.00	SUI		INMARSAT-7-3E	C																																
4.00	F		F-SAT-N3-4E	C																																
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5.00	MLA		MEASAT-SA1A	C																																
5.00	S		SIRIUS-5E	N																																
5.00	S		SIRIUS-5E-2	N																																
5.00	S		SIRIUS-5E-8	C																																
5.00	S		SIRIUS-5E-8_1	C																																
5.00	S		SIRIUS-P	N																																
5.50	UAE		MADAR-5.5E	C																																
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7.00	F		F-SAT-N3-7E	C																																
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7.00	F		F-SAT-N5-7E_1	C																																
7.00	F		F-SAT-N7-7E	C																																
7.00	F		F-SAT-N-E-7E	N																																
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8.00	F		DUNIA-3_1	C																																
8.50	TUR		TURKSAT-8.5E-F	C																																
9.00	F		F-SAT-N3-9E	C																																
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9.00	F		F-SAT-N7-9E	C																																
9.00	G		UK-KA-9E	C																																
9.50	UAE		MADAR-9.5E	C																																
10.00	F		F-SAT-N3-10E	C																																
10.00	F		F-SAT-N3-10E_1	C																																
10.00	F		F-SAT-N5-10E	C																																
10.00	F		F-SAT-N5-10E_1	C																																
10.00	F		F-SAT-N7-10E	C																																

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-			
10.00	I		ITASAT-1B	C																																	
11.00	ARS	ARB	ARABSAT 8G-11E	C																																	
11.00	ARS	ARB	ARABSAT 8G-11E_1	C																																	
11.00	EGY		EGJAN4A_1	C																																	
11.00	UAE		FUTURA-1	C																																	
11.00	E		HISPASAT-28A	C																																	
11.00	E		HISPASAT-28A_1	C																																	
11.00	E		HISPASAT-48A	C																																	
11.00	E		HISPASAT-48A_1	C																																	
11.00	E		HISPASAT-81A	C																																	
11.00	JOR		JORSAT-11E	C																																	
11.00	KOR		KTSAT-11E	C																																	
11.00	HOL		PESSE-11E-KA	C																																	
11.00	PNG		RAGGIANA-28	C																																	
11.00	PNG		RAGGIANA-28_1	C																																	
11.50	F		F-SAT-N3-11.5E	C																																	
11.50	F		F-SAT-N3-11.5E_1	C																																	
11.50	F		F-SAT-N6-11.5E	C																																	
11.50	F		F-SAT-N7-11.5E	C																																	
13.00	RUS		ENSAT-13E	C																																	
13.00	F		F-SAT-N3-13E	C																																	
13.00	F		F-SAT-N3-13E_1	C																																	
13.00	F		F-SAT-N5-13E	C																																	
13.00	F		F-SAT-N5-13E_1	C																																	
13.00	F		F-SAT-N7-13E	C																																	
13.40	MLA		MEASAT-SA2A	C																																	
13.40	MLA		MEASAT-SA2A_1	C																																	
13.40	MLA		MEASAT-SA2B	C																																	
13.40	MLA		MEASAT-SA2B_1	C																																	
13.50	CHN		ITS-13.5E-N	C																																	
13.80	ISR		AMS-B2-13.8E	C																																	
13.80	ISR		AMS-B2-13.8E_1	C																																	
13.80	ISR		AMS-B7-13.8E	C																																	
13.80	ISR		AMS-B7-13.8E_1	C																																	
14.50	F		F-SAT-N3-14.5E	C																																	
14.50	F		F-SAT-N3-14.5E_1	C																																	
14.50	F		F-SAT-N5-14.5E	C																																	
14.50	F		F-SAT-N5-14.5E_1	C																																	
14.50	F		F-SAT-N7-14.5E	C																																	
14.50	QAT		QATARSAT-G2-3	C																																	
14.50	QAT		QATARSAT-G2-3_1	C																																	
14.50	QAT		QATARSAT-G4-14.5E	C																																	
14.50	QAT		QATARSAT-G4-14.5E_1	C																																	
14.60	UAE		EMARSAT-9Y	C																																	

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14.60	UAE		FUTURA-3	C																																		
15.00	EGY		EGJAN5A_1	C																																		
15.00	UAE		MADAR-15E	C																																		
15.00	UAE		MADAR-15E_1	C																																		
16.00	F	EUT	EUTELSAT-B1-16E	N																																		
16.00	F		F-SAT-N3-16E	C																																		
16.00	F		F-SAT-N3-16E_1	C																																		
16.00	F		F-SAT-N5-16E	C																																		
16.00	F		F-SAT-N5-16E_1	C																																		
16.00	F		F-SAT-N7-16E	C																																		
16.00	F		F-SAT-N-E-16E	C																																		
16.00	F		F-SAT-N-E-16E	N																																		
16.50	CYP		KYPROS-EUROPA-3	C																																		
16.50	CYP		KYPROS-EUROPA-3_1	C																																		
17.00	ISR		AMS-C8-17E	C																																		
17.00	ISR		AMS-C8-17E_1	C																																		
17.00	ISR		AMS-CK-17E	C																																		
17.00	ARS	ARB	ARABSAT 8H-17E	C																																		
17.00	ARS	ARB	ARABSAT 8H-17E_1	C																																		
17.00	HOL		PESSE-17E-KA	C																																		
17.50	G		UK-KA-17.5E	C																																		
18.00	EGY		EGJAN6A_1	C																																		
18.00	EGY		EGYCOMM5A	C																																		
18.00	EGY		EGYCOMM5A_1	C																																		
19.20	LUX		LUX-G10-5	C																																		
19.20	LUX		LUX-G10-5_1	C																																		
19.20	LUX		LUX-G11-5	C																																		
19.20	LUX		LUX-G11-5_1	C																																		
19.20	LUX		LUX-G9-5	C																																		
19.20	LUX		LUX-G9-5_1	C																																		
19.70	QAT		QATARSAT-G4-19.7E	C																																		
19.70	QAT		QATARSAT-G4-19.7E_1	C																																		
20.00	ARS	ARB	ARABSAT 8C-20E	C																																		
20.00	ARS	ARB	ARABSAT 8C-20E_1	C																																		
20.00	QAT		QATARSAT-G4-20E	C																																		
20.00	QAT		QATARSAT-G4-20E_1	C																																		
20.50	HOL		PESSE-20.5E-KA	C																																		
21.00	USA		AFRIBSS	C																																		
21.00	USA		AFRIBSS	N																																		
21.00	EGY		EGJAN7A_1	C																																		
21.00	G		UK-KA-21E	C																																		
21.35	CYP		CY-AQUARIUS	C																																		
21.50	F		BT-SAT 21.5E	C																																		
21.50	F		BT-SAT 21.5E_1	C																																		

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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-			
21.50	F		F-SAT-N3-21.5E	C																																	
21.50	F		F-SAT-N3-21.5E 1	C																																	
21.50	F		F-SAT-N5-21.5E	C																																	
21.50	F		F-SAT-N5-21.5E 1	C																																	
21.50	F		F-SAT-N7-21.5E	C																																	
21.50	G		INMARSAT-6-21.5E	C																																	
21.50	LUX		LUX-G9-6	C																																	
21.50	LUX		LUX-G9-6 1	C																																	
21.50	S		SMMSAT-3R	C																																	
21.50	S		SMMSAT-3R 1	C																																	
21.50	G		UKJKSAT-2 1	C																																	
22.50	CYP		KYPROS-ATHENA-4	C																																	
22.50	CYP		KYPROS-ATHENA-4 1	C																																	
23.00	ISR		AMS-C10-23E	C																																	
23.00	ISR		AMS-C3-23E	C																																	
23.00	ISR		AMS-C3-23E 1	C																																	
23.00	EGY		EGJAN8A 1	C																																	
23.30	QAT		QATARSAT-G4-23.3E	C																																	
23.30	QAT		QATARSAT-G4-23.3E 1	C																																	
23.40	CHN		STARTIME-23.4E	C																																	
23.50	LUX		LUX-G10-7	C																																	
23.50	LUX		LUX-G10-7 1	C																																	
23.50	LUX		LUX-G11-7	C																																	
23.50	LUX		LUX-G11-7 1	C																																	
23.50	LUX		LUX-G6-7	C																																	
23.50	LUX		LUX-G7-7	C																																	
23.50	LUX		LUX-G9-7	C																																	
23.50	LUX		LUX-G9-7 1	C																																	
23.50	HOL		PESSE-23.5E-KA	C																																	
23.70	RUS		PRSS-23.7E	C																																	
23.70	RUS		PRSS-23.7E 1	C																																	
25.00	G		INMARSAT-6-25E	C																																	
25.00	F		MR-T-SAT-25E	C																																	
25.00	F		MR-T-SAT-25E 1	C																																	
25.50	F		F-SAT-N3-25.5E	C																																	
25.50	F		F-SAT-N3-25.5E 1	C																																	
25.50	F		F-SAT-N5-25.5E	C																																	
25.50	F		F-SAT-N5-25.5E 1	C																																	
25.50	F		F-SAT-N-E-25.5E	C																																	
25.50	QAT		QATARSAT-G2-6	C																																	
25.50	QAT		QATARSAT-G2-6 1	C																																	
25.90	QAT		QATARSAT-G4-25.9E	C																																	
25.90	QAT		QATARSAT-G4-25.9E 1	C																																	
26.00	ARS	ARB	ARABSAT 1-B	N																																	

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26.00	ARS	ARB	ARABSAT 7B-26E	C																																
26.00	ARS	ARB	ARABSAT 7B-26E	N																																
26.00	ARS	ARB	ARABSAT 8B-26E	C																																
26.00	ARS	ARB	ARABSAT 8B-26E_1	C																																
26.00	QAT		QATARSAT-G2-7	C																																
26.00	QAT		QATARSAT-G2-7_1	C																																
27.00	UAE		MADAR-27E	C																																
28.00	QAT		QATARSAT-G4-28E	C																																
28.00	QAT		QATARSAT-G4-28E_1	C																																
28.20	LUX		LUX-G10-8	C																																
28.20	LUX		LUX-G10-8_1	C																																
28.20	LUX		LUX-G11-8	C																																
28.20	LUX		LUX-G11-8_1	C																																
28.20	LUX		LUX-G6-8	C																																
28.20	LUX		LUX-G6-8	N																																
28.20	LUX		LUX-G9-8	C																																
28.20	LUX		LUX-G9-8_1	C																																
28.40	CHN		STARTIME-28.4E	C																																
28.50	F		F-SAT-N3-28.5E	C																																
28.50	F		F-SAT-N3-28.5E_1	C																																
29.60	CYP		KYPROS-29.6E	C																																
30.50	ARS	ARB	ARABSAT 8A-30.5E	C																																
30.50	ARS	ARB	ARABSAT 8A-30.5E_1	C																																
30.70	QAT		QATARSAT-G4-30.7E	C																																
30.70	QAT		QATARSAT-G4-30.7E_1	C																																
31.00	LUX		LUX-G9-9	C																																
31.00	LUX		LUX-G9-9_1	C																																
31.00	S		SMMSAT-4R	C																																
31.00	S		SMMSAT-4R_1	C																																
31.00	TUR		TURKSAT-31E-D	C																																
31.00	TUR		TURKSAT-31E-D_1	C																																
31.00	TUR		TURKSAT-31E-F	C																																
31.00	G		UKMMSAT-B1	C																																
31.00	G		UKMMSAT-B3_1	C																																
31.00	G		UKMMSAT-C_1	C																																
31.15	G		UKMMSAT-C0_1	C																																
31.50	LUX		LUX-G6-9	C																																
31.50	LUX		LUX-G6-9	N																																
31.50	LUX		LUX-G9-10	C																																
31.50	LUX		LUX-G9-10_1	C																																
32.50	IND		INSAT-EHFL-32.5E	C																																
32.50	CHN		SIGNSAT-32E	C																																
33.00	F		F-SAT-N3-33E	C																																
33.00	F		F-SAT-N3-33E_1	C																																

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33.00	F		F-SAT-N5-33E	C																																			
33.00	F		F-SAT-N5-33E_1	C																																			
33.00	F		F-SAT-N7-33E	C																																			
33.00	UAE		MADAR-33E	C																																			
33.00	UAE		MADAR-33E_1	C																																			
33.00	UAE		MADAR-33E-2	C																																			
33.00	UAE		MADAR-33E-2_1	C																																			
33.00	PNG		NEW DAWN 49	C																																			
33.00	PNG		NEW DAWN 49_1	C																																			
33.50	CHN		CHINASAT-E-33.5E	C																																			
33.50	CHN		CHINASAT-E-33.5E_1	C																																			
33.50	UAE		MADAR-33.5E	C																																			
33.50	UAE		MADAR-33.5E_1	C																																			
34.00	CHN		CHNNEWSAT-G1-34E	C																																			
34.00	IRN		IRANDBS4-KA	C																																			
34.00	IRN		IRANDBS4-KA-G2	C																																			
34.00	IRN		IRANSAT-B-34E	C																																			
34.50	ARS	ARB	ARABSAT 6E-34.5E	N																																			
34.50	ARS	ARB	ARABSAT 8E-34.5E	C																																			
34.50	ARS	ARB	ARABSAT 8E-34.5E_1	C																																			
34.50	F		F-SAT-N3-34.5E	C																																			
34.50	F		F-SAT-N3-34.5E_1	C																																			
35.50	EGY		EGYCOMM8A	C																																			
35.50	EGY		EGYCOMM8A_1	C																																			
36.00	F		F-SAT-N3-36E	C																																			
36.00	F		F-SAT-N3-36E_1	C																																			
36.00	F		F-SAT-N5-36E	C																																			
36.00	F		F-SAT-N5-36E_1	C																																			
36.00	F		F-SAT-N7-36E	C																																			
36.00	F		F-SAT-N7-36E_1	C																																			
37.50	F		F-SAT-N3-37.5E	C																																			
37.50	F		F-SAT-N3-37.5E_1	C																																			
38.00	CHN		ITS-38E-N	C																																			
38.00	PAK		PAKSAT-1R	N																																			
38.00	PAK		PAKSAT-1R1	N																																			
38.20	PAK		PAKSAT-MM1-38.2E	C																																			
38.20	PAK		PAKSAT-MM1-38.2E_1	C																																			
38.20	PAK		PAKSAT-MM1-38.2E-KA	C																																			
39.00	F		F-SAT-N2-39E_1	C																																			
39.00	GRC		HELLAS-SAT-C	C																																			
39.00	CYP		KYPROS-SAT-5	C																																			
39.00	CYP		KYPROS-SAT-5	N																																			
39.00	CYP		KYPROS-SAT-7	C																																			
39.00	CYP		KYPROS-SAT-7_1	C																																			
39.00	G		UKMMSAT-D_1	C																																			

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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-		
39.20	ISR		AMS-C2-39.2E	C																																
39.20	ISR		AMS-C2-39.2E_1	C																																
39.50	CHN		APMTSAT1-39.5E_1	C																																
40.00	CHN		CHNNEWSAT-G1-40E	C																																
40.00	UAE		MADAR-40E	C																																
41.00	KOR		KTSAT-41E	C																																
42.00	UAE		MADAR-42E	C																																
42.00	TUR		TURKSAT-42E-B	C																																
42.00	TUR		TURKSAT-42E-B	N																																
42.00	TUR		TURKSAT-42E-F	C																																
43.00	ISR		AMS-C3-43E	C																																
43.00	ISR		AMS-C3-43E_1	C																																
43.00	ISR		AMS-C8-43E	C																																
43.00	ISR		AMS-C8-43E_1	C																																
43.20	CHN		SIGNSAT-43E	C																																
43.50	IRN		IRANSAT-B-43.5E	C																																
44.00	UAE		EMARSAT-10F	C																																
44.00	UAE		EMARSAT-12F	C																																
44.00	UAE		FUTURA-4	C																																
44.20	F		BT-SAT 44.2E_1	C																																
44.50	ARS	ARB	ARABSAT 8F-44.5E	C																																
44.50	ARS	ARB	ARABSAT 8F-44.5E_1	C																																
44.50	ARS	ARB	ARABSAT-9F-44.5E	C																																
44.50	CHN		CHNNEWSAT-G1-44.5E	C																																
44.50	UAE		MADAR-44.5E	C																																
44.50	UAE		MADAR-44.5E_1	C																																
45.00	AZE		AZERSAT 45E_1	C																																
45.00	BUL		BULSAT-22GHZ	C																																
45.00	D		EUROPESTAR-45E-A	C																																
45.00	D		EUROPESTAR-45E-A_1	C																																
45.00	E		HISPASAT-11A	C																																
45.00	E		HISPASAT-11A_1	C																																
45.00	E		HISPASAT-25A	C																																
45.00	E		HISPASAT-25A_1	C																																
45.00	CHN		ITS-45E-N	C																																
45.00	UKR		UKRSAT-KA-45.0E	C																																
46.00	UAE		MADAR-46E	C																																
46.00	UAE		MADAR-46E-2	C																																
46.00	MLA		MEASAT-SA4B	C																																
46.00	MLA		MEASAT-SA4B_1	C																																
46.00	MLA		MEASAT-SA4C	C																																
46.00	MLA		MEASAT-SA4C_1	C																																
47.50	UAE		MADAR-47.5E	C																																
47.50	UAE		MADAR-47.5E-2	C																																

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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-	
56.00	IRN		IRANSAT-B-56E	C																															
56.00	UAE		MADAR-56E	C																															
57.00	E		HISPASAT-38A	C																															
57.00	E		HISPASAT-38A_1	C																															
57.00	E		HISPASAT-65A	C																															
57.00	CYP		KYPROS-HERMES-4	C																															
57.00	CYP		KYPROS-HERMES-4_1	C																															
57.00	UAE		MADAR-57E	C																															
57.00	UAE		MADAR-57E-2	C																															
57.00	UAE		MADAR-57E-2_1	C																															
57.00	HOL		NSS-G4-23	C																															
57.00	HOL		NSS-G4-23_1	C																															
57.00	HOL		NSS-G5-18	C																															
57.00	HOL		NSS-G5-18_1	C																															
57.00	HOL		NSS-G9-57E	C																															
57.00	HOL		PESSE-57E	C																															
57.50	CHN		CHINASAT-D-57.5E_1	C																															
58.00	G		INMARSAT-6-58E	C																															
58.00	IRN		IRANSAT-B-58E	C																															
58.30	ETH		ETHIOSAT-1	C																															
58.45	F		F-SAT-N3-58.45E	C																															
58.45	F		F-SAT-N3-58.45E_1	C																															
58.50	KAZ		KAZSAT1S_1	C																															
59.00	E		HISPASAT-60A	C																															
60.00	CHN		ASIASAT-60Q	C																															
60.00	CHN		ASIASAT-60T_1	C																															
60.00	UAE		MADAR-60E	C																															
60.00	UAE		MADAR-60E-2	C																															
60.00	UAE		MADAR-60E-2_1	C																															
60.00	PNG		NEW DAWN 44	C																															
60.00	PNG		NEW DAWN 44_1	C																															
60.00	HOL		NSS-G5-2_1	C																															
60.50	CHN		CHINASAT-E-60.5E	C																															
60.75	F		CP 60.75E G2_1	C																															
61.50	G		UKMMSAT-F_1	C																															
62.00	PNG		NEW DAWN 45	C																															
62.00	PNG		NEW DAWN 45_1	C																															
63.00	UAE		MADAR-63E	C																															
63.00	UAE		MADAR-63E_1	C																															
63.00	PNG		PACIFISAT-S-63E	C																															
64.00	G		INMARSAT-6-64E	C																															
64.00	PNG		NEW DAWN 46	C																															
64.00	PNG		NEW DAWN 46_1	C																															
64.50	CHN		ITS-AR-64.5E	C																															

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					3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-		
65.00	ISR		AMS-C3-65E	C																																
65.00	ISR		AMS-C3-65E_1	C																																
65.45	IRQ		SUMER-1	C																																
65.45	IRQ		SUMER-1_1	C																																
67.50	ARS	ARB	ARABSAT-9M-67.5E	C																																
67.50	F		AST-IKAU-67.5E	C																																
67.50	F		AST-IKAU-67.5E_1	C																																
67.50	SUI		INMARSAT-7-67E5	C																																
67.50	UAE		MADAR-67.5E	C																																
68.00	CHN		CHNNEWSAT-G1-68E	C																																
68.00	IND		INSAT-EHFL-68E	C																																
68.00	IRN		IRANSAT-68E	C																																
68.50	CYP		KYPROS-68.5E	C																																
69.50	IRN		IRANSAT-B-69.5E	C																																
70.50	F		F-SAT-N3-70.5E	C																																
70.50	F		F-SAT-N3-70.5E_1	C																																
70.50	F		F-SAT-N5-70.5E	C																																
70.50	F		F-SAT-N5-70.5E_1	C																																
71.00	CHN		ASIASAT-71R_1	C																																
71.00	CHN		ASIASAT-71U_1	C																																
72.00	IRN		IRANSAT-72E	C																																
72.10	F		AST-ERIX-72.1E	C																																
72.50	G		IOMSAT-G1-2	C																																
72.50	G		IOMSAT-G1-2_1	C																																
72.50	UAE		MADAR-72.5E	C																																
72.50	UAE		MADAR-72.5E-2	C																																
72.50	UAE		MADAR-72.5E-2_1	C																																
72.50	UAE		MADAR-72.5E-3	C																																
73.00	CHN		CHNNEWSAT-G1-73E	C																																
73.00	G		GANTS-1	C																																
73.00	SUI		INMARSAT-7-73E	C																																
73.00	KAZ		KAZSAT12_1	C																																
73.50	F		F-SAT-N3-73.5E	C																																
73.50	F		F-SAT-N3-73.5E_1	C																																
73.50	QAT		QATARSAT-G3-19	C																																
73.50	QAT		QATARSAT-G3-19_1	C																																
73.50	QAT		QATARSAT-G4-73.5E	C																																
73.50	QAT		QATARSAT-G4-73.5E_1	C																																
74.00	IND		INSAT-1B	N																																
74.00	IND		INSAT-2(74)	N																																
75.00	PNG		PACIFISAT-S-75E	C																																
75.75	CYP		KYPROS-75.75E	C																																
76.50	RUS		GT-SAT-76.5E_1	C																																
77.00	QAT		QATARSAT-G5-77E	C																																

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77.50	IRN		IRANSAT-77.5E	C																															
77.50	KAZ		KAZSAT7S_1	C																															
77.50	QAT		QATARSAT-G3-20	C																															
77.50	QAT		QATARSAT-G3-20_1	C																															
77.50	QAT		QATARSAT-G4-77.5E	C																															
77.50	QAT		QATARSAT-G4-77.5E_1	C																															
78.00	ISR		AMS-C11-78E	C																															
78.00	E		HISPASAT-61A	C																															
78.00	SUI		INMARSAT-7-78E	C																															
78.20	CHN		CHNNEWSAT-G1-78.2E	C																															
78.50	MLA		MEASAT-78.5E-C	C																															
78.50	MLA		MEASAT-78.5E-C_1	C																															
78.50	MLD		MVSAT-78.5E	C																															
78.50	THA		THAICOM-LSX2R	C																															
78.50	THA		THAICOM-LSX2R_1	C																															
79.00	UAE		EMARSAT-9I	C																															
79.00	UAE		MADAR-79E	C																															
80.50	F		F-SAT-N4-80.5E	C																															
80.50	F		F-SAT-N4-80.5E_1	C																															
80.50	F		F-SAT-N5-80.5E	C																															
80.50	F		F-SAT-N5-80.5E_1	C																															
81.50	ARS	ARB	ARABSAT-9AS-81.5E	C																															
82.00	J		N-SAT-Y15-82E	C																															
82.00	J		N-SAT-Y18-82E	C																															
82.50	ISR		AMS-C3-82.5E	C																															
82.50	ISR		AMS-C3-82.5E_1	C																															
82.50	ISR		AMS-C8-82.5E	C																															
82.50	ISR		AMS-C8-82.5E_1	C																															
82.50	IND		INSAT-EHFL-82.5E	C																															
83.00	IND		INSAT-2(83)	N																															
83.00	MLA		MEASAT-ROUTE-6	C																															
83.50	F		F-SAT-N4-83.5E	C																															
83.50	F		F-SAT-N4-83.5E_1	C																															
83.50	F		F-SAT-N5-83.5E	C																															
83.50	F		F-SAT-N5-83.5E_1	C																															
83.50	G		INMARSAT-6-83E5	C																															
83.50	CHN		ITS-AR-83.5E	C																															
83.75	RUS		PRSS-83.75E	C																															
83.75	RUS		PRSS-83.75E_1	C																															
85.00	UAE		MADAR-85E	C																															
85.00	UAE		MADAR-85E_1	C																															
85.00	PNG		NEW DAWN 34	C																															
85.15	J		N-SAT-Y17-85.15E	C																															
85.20	HOL		NSS-G4-25	C																															

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85.20	HOL		NSS-G4-25_1	C																															
85.30	INS		NUSANTARA-H2-A	C																															
85.30	PNG		PACIFISAT-85.3E	C																															
85.40	RUS		SADKO-1	N																															
85.50	CHN		CHINASAT-E-85.5E	C																															
85.50	CHN		CHINASAT-E-85.5E_1	C																															
86.00	G		INMARSAT-6-86E	C																															
86.50	KAZ		KAZSAT2A	C																															
87.00	F		F-SAT-N4-87E	C																															
87.00	F		F-SAT-N4-87E_1	C																															
87.00	F		F-SAT-N5-87E	C																															
87.00	F		F-SAT-N5-87E_1	C																															
87.00	CYP		KYPROS-HEMERA-1	C																															
87.00	CYP		KYPROS-HEMERA-1_1	C																															
87.00	MLA		MEASAT-87E-B	C																															
87.00	MLA		MEASAT-87E-B_1	C																															
87.50	CHN		CHINASAT-D-87.5E	C																															
87.50	CHN		CHINASAT-D-87.5E_1	C																															
87.50	CHN		CHINASAT-E-87.5E	C																															
87.50	SUI		INMARSAT-7-87E5	C																															
88.00	J		N-SAT-Y17-88E	C																															
88.20	CHN		ASIASAT-88.2Q	C																															
88.50	F		F-SAT-N4-88.5E	C																															
88.50	F		F-SAT-N4-88.5E_1	C																															
88.50	F		F-SAT-N5-88.5E	C																															
88.50	F		F-SAT-N5-88.5E_1	C																															
89.50	CYP		KYPROS-ARES-3	C																															
89.50	CYP		KYPROS-ARES-3_1	C																															
89.50	CYP		ONETEL-89.5E	C																															
90.00	CYP		ONETEL-90E	C																															
90.75	J		N-SAT-Y17-90.75E	C																															
91.50	UAE		MADAR-91.5E	C																															
91.50	UAE		MADAR-91.5E_1	C																															
91.50	MLA		MEASAT-1B	C																															
91.50	MLA		MEASAT-1B_1	C																															
92.20	CHN		CHNBSAT-K-92.2E	C																															
92.20	CHN		CHNBSAT-K-92.2E_1	C																															
92.50	CHN		APSTAR-92.5E	C																															
93.00	RUS		GT-SAT-93E_1	C																															
93.00	J		N-SAT-Y15-93E	C																															
93.00	J		N-SAT-Y18-93E	C																															
93.50	IND		INSAT-2 (93.5)	N																															
95.00	HOL		NSS-G4-26	C																															
95.00	HOL		NSS-G4-26_1	C																															

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95.00	HOL		NSS-G8-95E	C																																	
95.50	INS		NUSANTARA-B3-A	C																																	
96.00	F		F-SAT-N4-96E	C																																	
96.00	F		F-SAT-N4-96E_1	C																																	
96.00	CHN		SIGNSAT-96E	C																																	
97.00	KOR		KTSAT-97E	C																																	
97.00	MLA		MEASAT-3B	C																																	
97.00	MLA		MEASAT-3B_1	C																																	
97.00	G		UKSAT-32	C																																	
98.50	UAE		EMARSAT-10S	C																																	
98.50	UAE		EMARSAT-13S	C																																	
99.00	QAT		QATARSAT-G3-24	C																																	
99.00	QAT		QATARSAT-G3-24_1	C																																	
99.00	RUS		STATSIONAR-T	N																																	
99.00	RUS		STATSIONAR-T2	N																																	
100.50	CHN		ASIASAT-100.5Q	C																																	
100.50	CHN		ASIASAT-100.5T_1	C																																	
100.75	CYP		KYPROS-100.75E	C																																	
101.40	CHN		CHNBSAT-K-101.4E	C																																	
101.40	CHN		CHNBSAT-K-101.4E_1	C																																	
101.50	CHN		CHNEWSAT-G1-101.5E	C																																	
102.50	VTN		VNSAT-4A12_1	C																																	
103.00	F		F-SAT-N6-103E	C																																	
103.00	INS		NUSANTARA-B4-A	C																																	
104.00	G		UKSAT-24	C																																	
105.00	AUS		ASIABSS	N																																	
105.00	PNG		NYBSS	C																																	
105.20	F		CD-SAT 105.2E_1	C																																	
105.20	F		CD-T-SAT-105.2E	C																																	
105.20	F		CD-T-SAT-105.2E_1	C																																	
105.50	CHN		ASIASAT-105.5Q	C																																	
105.50	CHN		ASIASAT-105.5T_1	C																																	
107.50	SUI		INMARSAT-7-107E5	C																																	
107.70	INS		INDOSTAR-107.7XS	C																																	
108.00	INS		NUSANTARA-B1-E	C																																	
108.00	INS		NUSANTARA-TS1-A	C																																	
108.20	G		GIBSAT-108.2E	C																																	
108.20	G		GIBSAT-108.2E_1	C																																	
108.20	INS		INDOSTAR-108.2XS	C																																	
108.20	INS		INDOSTAR-110E	N																																	
108.20	LUX		LUX-G10-108.2E	C																																	
108.20	HOL		NSS-G4-27_1	C																																	
108.40	G		GIBSAT-108.4E	C																																	
108.40	G		GIBSAT-108.4E_1	C																																	

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108.40	LUX		LUX-G9-21	C																																	
108.40	LUX		LUX-G9-21_1	C																																	
108.50	F		F-SAT-N4-108.5E	C																																	
108.50	F		F-SAT-N4-108.5E_1	C																																	
108.50	F		F-SAT-N5-108.5E	C																																	
108.50	F		F-SAT-N5-108.5E_1	C																																	
108.50	G		INMARSAT-6-108.5E	C																																	
109.65	J		NBSAT-21CX_1	C																																	
109.85	J		NBSAT-21BX_1	C																																	
110.00	J		NBSAT-21AX_1	C																																	
110.00	J		N-SAT-Y15-110E	C																																	
110.50	CHN		CHINASAT-D-110.5E	C																																	
110.50	CHN		CHINASAT-D-110.5E_1	C																																	
110.50	CHN		CHINASAT-E-110.5E	C																																	
111.50	F		F-SAT-N4-111.5E	C																																	
111.50	F		F-SAT-N4-111.5E_1	C																																	
113.00	ISR		AMS-C8-113E	C																																	
113.00	ISR		AMS-C8-113E_1	C																																	
113.00	CHN		CHINASAT-E-113E	C																																	
113.00	CHN		CHINASAT-E-113E_1	C																																	
113.00	KOR		KTSAT-113E	C																																	
113.20	LUX		LUX-G9-22	C																																	
113.20	LUX		LUX-G9-22_1	C																																	
114.50	KOR		KTSAT-114.5E	C																																	
114.50	MLA		MEASAT-ROUTE-1C	C																																	
114.50	MLA		MEASAT-ROUTE-1C_1	C																																	
115.30	CYP		KYPROS-115.3E	C																																	
115.50	CHN		CHINASAT-D-115.5E	C																																	
115.50	CHN		CHINASAT-D-115.5E_1	C																																	
115.50	CHN		CHINASAT-E-115.5E	C																																	
116.00	KOR		KTSAT-116E	C																																	
116.10	INS		NUSANTARA-H1-A_1	C																																	
117.40	F		F-SAT-N4-117.4E	C																																	
117.40	F		F-SAT-N4-117.4E_1	C																																	
117.50	G		INMARSAT-6-117E5	C																																	
117.75	RUS		PRSS-117.75E	C																																	
117.75	RUS		PRSS-117.75E_1	C																																	
117.90	F		AST-1KAU-117.9E	C																																	
118.00	CHN		ASIASAT-118R_1	C																																	
118.00	CHN		CHNNEWSAT-G1-118E	C																																	
118.00	INS		INDOSTAR-118XS	C																																	
119.50	CHN		CHINASAT-E-119.5E	C																																	
119.50	G		IOMSAT-119.5E	C																																	
119.50	MLD		MVSAT-119.4E	C																																	

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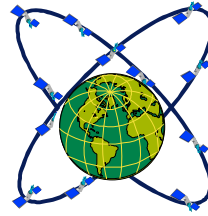
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119.50	PNG		RAGGIANA-21	C																															
119.50	PNG		RAGGIANA-21_1	C																															
119.50	THA		THAICOM-LSX3R	C																															
119.50	THA		THAICOM-LSX3R_1	C																															
121.25	CYP		KYPROS-121.25E	C																															
121.90	CHN		ASIASAT-121.9Q	C																															
122.00	CHN		ASIASAT-122T_1	C																															
123.00	UAE		EMARSAT-13P	C																															
123.00	CYP		KYPROS-ATLAS-3	C																															
123.00	CYP		KYPROS-ATLAS-3_1	C																															
123.00	S		SMMSAT-11	C																															
123.00	S		SMMSAT-11_1	C																															
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123.50	F		F-SAT-N6-123.5E	C																															
124.00	J		N-SAT-Y15-124E	C																															
125.00	CHN		CHINASAT-D-125E	C																															
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125.00	CHN		CHINASAT-E-125E	C																															
125.70	CHN		CHNBSAT-K-125.7E	C																															
125.70	CHN		CHNBSAT-K-125.7E_1	C																															
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126.90	F		AST-IKAU-126.9E	C																															
127.00	UAE		EMARSAT-11G/M	C																															
127.00	UAE		EMARSAT-9G/M	C																															
127.00	F		F-SAT-N4-127E	C																															
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127.00	F		F-SAT-N6-127E	C																															
127.50	SUI		INMARSAT-7-127E5	C																															
127.50	LUX		LUX-G9-24	C																															
127.50	LUX		LUX-G9-24_1	C																															
128.00	G		IOMSAT-128E	C																															
128.00	J		N-SAT-Y15-128E	C																															
128.00	J		N-SAT-Y18-128E	C																															
128.20	KOR		KOREASAT-128.2E	C																															
129.50	IND		INSAT-EHFL-129.5E	C																															
130.00	CYP		KYPROS-130E	C																															
130.00	RUS		PRSS-130E	C																															
130.00	RUS		PRSS-130E_1	C																															
132.00	J		N-SAT-Y15-132E	C																															
132.00	J		N-SAT-Y18-132E	C																															
132.10	CHN		SIGNSAT-132E	C																															
133.00	F		LB-SAT-133E	C																															

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Long_nom	Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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133.00	F		LB-SAT-133E_1	C																																
133.50	F		F-SAT-N3-133.5E	C																																
133.50	F		F-SAT-N3-133.5E_1	C																																
133.50	F		F-SAT-N5-133.5E	C																																
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133.50	LUX		LUX-G9-25	C																																
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134.00	CYP		KYPROS-134E	C																																
134.00	CYP		ONETEL-134E	C																																
134.00	G		UK-KA-134E	C																																
135.00	AUS		AUS-NBN-135E	C																																
135.50	QAT		QATARSAT-G2-30	C																																
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136.00	CHN		CHINASAT-C21	C																																
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137.00	ISR		AMS-B9-137E	C																																
137.00	ISR		AMS-B9-137E_1	C																																
137.00	ISR		AMS-C1-137E	C																																
137.00	ISR		AMS-C1-137E_1	C																																
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137.00	LUX		LUX-G9-60	C																																
137.00	LUX		LUX-G9-60_1	C																																
137.00	HOL		PESSE-137E-KA	C																																
137.50	G		UK-KA-137.5E	C																																
137.80	UAE		EMARSAT-9Q	C																																
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142.00	THA		THAICOM-N5	C																															
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142.50	CHN		ASIASAT-142.5Q	C																															
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142.50	SUI		INMARSAT-7-142E5	C																															
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148.00	MLA		MEASAT-2B	C																															
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148.00	MLA		MEASAT-2C	C																															
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148.00	G		UK-KA-148E	C																															
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151.00	CHN		SIGNSAT-151E	C																															
151.50	F		LH-SAT 151.5E_1	C																															
151.50	F		LH-SAT-151.5E-G2	C																															
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152.00	F		CD-SAT 152E_1	C																															
152.00	F		CD-SAT-152E-G2	C																															
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SECTION A4

LISTE DES RÉSEAUX SPATIAUX NON-GÉOSTATIONNAIRES POUR LESQUELS DES RENSEIGNEMENTS ONT ÉTÉ COMMUNIQUÉS EN APPLICATION DES DISPOSITIONS DE L'ARTICLE 9 ET/OU DE L'ARTICLE 11 DU RÈGLEMENT DES RADIOCOMMUNICATIONS

A4 节

根据《无线电规则》第9条和/或第11条的规定，已通报了相关信息的非对地静止空间网络的清单

SECTION A4

LIST OF NON-GEOSTATIONARY SPACE NETWORKS FOR WHICH INFORMATION HAS BEEN COMMUNICATED IN APPLICATION OF THE PROVISIONS OF ARTICLE 9 AND/OR ARTICLE 11 OF THE RADIO REGULATIONS

РАЗДЕЛ А4

СПИСОК НЕГЕОСТАЦИОНАРНЫХ КОСМИЧЕСКИХ СЕТЕЙ, СВЕДЕНИЯ ПО КОТОРЫМ БЫЛИ СООБЩЕНЫ В ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ СТАТЬИ 9 И/ИЛИ СТАТЬИ 11 РЕГЛАМЕНТА РАДИОСВЯЗИ

SECCIÓN A4

LISTA DE REDES ESPACIALES NO-GEOESTACIONARIAS SOBRE LAS CUALES SE HA COMUNICADO INFORMACIÓN EN APLICACIÓN DE LAS DISPOSICIONES DEL ARTÍCULO 9 Y/O DEL ARTÍCULO 11 DEL REGLAMENTO DE RADIOCOMMUNICACIONES

القسم A4

قائمة الشبكات الفضائية غير المستقرة بالنسبة إلى الأرض التي تم إرسال معلومات خاصة بها تطبيقاً لأحكام المادة 9 و/أو المادة 11 من لوائح الراديو

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CAN		102	C																															
KEN		1KUNS - PF	A																															
KEN		1KUNS - PF	N																															
CHN		2M8M - SAT	A																															
E		3CAT1	A																															
E		3CAT2	A																															
E		3CAT4	A																															
E		3CAT5A	A																															
E		3CAT5B	A																															
LIE		3ECOM-1	C																															
LIE		3ECOM-2	A																															
LIE		3ECOM-3	A																															
LIE		3ECOM-3	C																															
LIE		3ECOM-TTC	A																															
CHN		8S1	A																															
F		A4NG	A																															
FIN		AALTO-1	A																															
FIN		AALTO-1	N																															
DNK		AAUSAT4	A																															
DNK		AAUSAT4	N																															
USA		ACE	N																															
F	ESA	ACES	A																															
F	ESA	ACES	N																															
SUI		ACN	A																															
SUI		ACN-0	A																															
CHN		ACONNECT	A																															
CHN		ACONNECT	C																															
CHN		ACONNECT-T	A																															
CHN		ACONNECT-T	C																															
AUS		ACRUX-1	A																															
F	ESA	ADM-AEOLUS	A																															
F	ESA	ADM-AEOLUS	N																															
J		ADRAS-1	A																															
CAN		ADS	A																															
CAN		ADS	C																															
CAN		ADS	N																															
CAN		ADSB-SAT	A																															
CAN		ADSB-SAT	N																															
USA		AEROCUBE	A																															
USA		AEROCUBE-11	A																															
USA		AEROCUBE-12	A																															
USA		AEROCUBE-8CD	A																															
B		AESP-14	A																															
USA		AETERNITAS	A																															

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I		AGILE	N	■	■	■								■	■																					
USA		AIM	N											■	■																					
CHN		AIS	A			■								■	■			■	■																	
CHN		AIS	N			■								■	■				■																	
E		AISTECH	A											■	■					■																
E		AISTECHSAT-2	A											■	■					■																
E		AISTECHSAT-2	N						■																											
ARG		ALEPH-1-C	A		■									■	■						■															
ARG		ALEPH-1-E	A											■	■						■															
ARG		ALEPH-3-P	A																																	
USA		ALEXIS	N											■	■																					
KAZ		AL-FARABI-2	A						■																											
KAZ		AL-FARABI-2	N						■																											
J		ALOS	N											■	■						■								■	■						
J		ALOS-2	A			■								■	■						■							■	■							
J		ALOS-2	C																																	
J		ALOS-2	N			■								■	■						■							■	■							
J		ALOSSAR	C																																	
J		ALOSSAR	N																																	
ALG		ALSAT-1B	A											■	■						■															
ALG		ALSAT-1N	A		■																															
ALG		ALSAT-2	N											■	■						■															
USA		ALTAIR PATHFINDER	A											■	■																					
B		AMAZONIA-1	A																																	
USA		ANDESITE	A						■				■																							
CYP		ANDROMEDA-A	A																								■	■	■	■	■	■	■	■	■	■
USA		ANGELS	A																																	
USA		ANGELS	C																																	
URG		ANTELSAT	A		■																															
SNG		AOBA VELOX-IV	A																																	
J		AOBA-VELOXIII	A		■																															
CHN		AOBO	A																																	
CHN		AOBO	N						■	■																										
J		AOS	A																																	
NZL		APOG	A																																	
NZL		APOG	C																																	
NZL		APSS	A		■																															
RUS		ARCTICA-M	A																																	
RUS		ARCTICA-M	C																																	
RUS		ARCTICA-M	N						■	■				■	■																					
NOR		ARE-2	C																																	
NOR		ARE-2	N						■	■																										
NOR		ARE-3	C																																	
NOR		ARE-3	N						■	■																										

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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USA		ATLANTIS	A																																	
MLA		ATSBSMALLSAT	A																																	
F	ESA	ATV	N																																	
USA		AURA	N																																	
RUS		AURIGA	A																																	
J		AUTCUBE2	A																																	
IRN		AUTSAT	A																																	
IRN		AUTSAT	N																																	
USA		AXAF-1	N																																	
AZE		AZERSKY	A																																	
AZE		AZERSKY	N																																	
MEX		AZTECHSAT-1	A																																	
J		BC-MMO	A																																	
F	ESA	BC-MPO	A																																	
F	ESA	BC-MPO	N																																	
D		BEESAT	A																																	
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D		BEESAT-4	N																																	
D		BEESAT-X	A																																	
CHN		BF-1-ABC	A																																	
J		BIRDS	A																																	
J		BIRDS-2	A																																	
J		BIRDS-3	A																																	
D		BIROS AMATEUR	A																																	
D		BIROS AMATEUR	N																																	
BLR		BKA	N																																	
CHN		BLMIT-1	N																																	
USA		BLOCK 5D-3	N																																	
CHN		BNU1	A																																	
USA		BRICSAT-2	A																																	
USA		BRIO	A																																	
AUT		BRITE	N																																	
CAN		BRITE-CANADA	A																																	
POL		BRITE-PL	N																																	
F		BRONET	A																																	
ARG		BUGSAT-1	A																																	
CHN		BY70-1	A																																	
USA		CACTUS-1	A																																	
CAN		CANPOL	A																																	
CAN		CANPOL	C																																	
CAN		CANPOL-2	A																																	
CAN		CANPOL-2	C																																	
CAN		CANPOL-3	A																																	
CAN		CANPOL-3	C																																	

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CAN		CANSAT-LEO	C																																
CAN		CANSAT-LEO-S	A																																
CAN		CANSAT-LEO-S	N																																
CAN		CANSAT-LEO-V	A																																
CAN		CANSAT-LEO-XKA	A																																
CAN		CANX-2	N																																
CAN		CANX-4-5	A																																
CAN		CANX-7	A																																
KOR		CANYVAL	A																																
USA		CAPE-3	A																																
G		CARBONITE-2	A																																
IND		CARTOSAT-2S	A																																
CHN		CAS-3	A																																
CHN		CAS-5	A																																
KOR		CAS500-1	A																																
KOR		CAS500-1	N																																
CAN		CASSIOPE-1A	N																																
G		CATAPULT-IOD	A																																
CHN		CATON-1	A																																
CHN		CBERS-02C	N																																
CHN		CBERS-1	N																																
CHN		CBERS-2	N																																
CHN		CBERS-3	N																																
CHN		CE-1	N																																
F		CELESTA	A																																
CHN		CENTISPACE-1	A																																
CHN		CENTISPACE-1	C																																
CHN		CENTISPACE-2	A																																
CHN		CENTISPACE-2	C																																
F		CERES	A																																
F		CERES	N																																
USA		CERES-USA	A																																
USA		CEREX	A																																
J		CE-SAT	A																																
J		CE-SAT	N																																
J		CE-SAT-B	A																																
CHN		CFOSAT-1	A																																
CHN		CFOSAT-1	N																																
USA		CHALLENGER	A																																
IND		CHANDRAYAAN-1	N																																
IND		CHANDRAYAAN-2	A																																
USA		CHARGERSAT-1	A																																
F	ESA	CHEOPS	A																																
F	ESA	CHEOPS	N																																

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J		CHUBUSAT-2-3	A																																			
USA		CIBOLA	N																																			
USA		CICERO	A																																			
USA		CICERO	N																																			
LUX		CLEOSAT	C																																			
F	ESA	CLUSTER 1-5	N																																			
CHN		CMARS-1	A																																			
ISR		CMTRL	A																																			
KOR		CNUSAIL-1	A																																			
SNG		COLUGO	A																																			
USA		COLUMBIA	A																																			
CAN		COMMSTELLATION	C																																			
D		COMPACTSAT	A																																			
D		COMPACTSAT	N																																			
D		COURIER-3	C																																			
USA		CRRES	N																																			
F	ESA	CRYOSAT-2	N																																			
F		CSO	A																																			
F		CSO	N																																			
USA		CSUNSAT-1	A																																			
ARG		CUBEBUG-2	A																																			
D		CUBEL	A																																			
USA		CUBESAIL	A																																			
D		CUBESAT-FIRSTMOVE	A																																			
D		CUBESAT-UWE	A																																			
D		CUBESAT-UWE-4	A																																			
NOR		CUBESTAR	A																																			
SUI		CUBETH	A																																			
USA		CUPID	A																																			
USA		CUSP	A																																			
USA		CUSP	N																																			
J		CUTE-I	N																																			
USA		CXBN-2	A																																			
USA		CYGNSS	A																																			
USA		CYGNSS	N																																			
USA		CYGNUS	N																																			
USA		DAVE	A																																			
E		DEIMOS-1	N																																			
E		DEIMOS-2	A																																			
HOL		DELFI-C3	N																																			
HOL		DELFI-N3XT	A																																			
HOL		DELFI-N3XT	N																																			
USA		DELLINGR	A																																			
DNK		DELPHINI-1	A																																			

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CHN		DES-LEO	A																																			
CHN		DES-LEO	C																																			
USA		DICE	A																																			
USA		DISCOVERY	A																																			
ARG		DIY-1	A																																			
G		DMC1	N																																			
G		DMC3	A																																			
RUS		COMPARUS-C	N																																			
RUS		COMPARUS-E	N																																			
CHN		COMPASS-H	N																																			
CHN		COMPASS-IGSO	A																																			
CHN		COMPASS-IGSO	C																																			
CHN		COMPASS-M	N																																			
CHN		COMPASS-MEO	A																																			
CHN		COMPASS-MEO	C																																			
CHN		COMPASS-MEO	N																																			
USA		CONNECT	N																																			
USA		COPPER	A																																			
USA		COSMIC	N																																			
USA		COSMIC-2	A																																			
USA		COSMIC-2	C																																			
I		COSMO SKYMED	N																																			
I		COSMOSKYMED-2	A																																			
D		COURIER-3	C																																			
IND		INSAT-NAV-GS17	C																																			
IND		INSAT-NAVR-GS	A																																			
IND		INSAT-NAVR-GS	C																																			
USA		INSIGHT	A																																			
USA		INSIGHT	N																																			
USA		INSPIRE	A																																			
F	ESA	INTEGRAL	N																																			
USA		INTNL SPACE STATION	N																																			
USA		INTNL SPACE STN ACS	N																																			
USA		INTNL SPACE STN SGS	N																																			
HOL		IPS	A																																			
HOL		IPS	C																																			
HOL		IPS	N																																			
CTR		IRAZU	A																																			
IRN		IRN-ERS-1	A																																			
IND		IRS-1B	N																																			
IND		IRS-1C	N																																			
IND		IRS-1E	N																																			
IND		IRS-CARTOSAT-2	N																																			
IND		IRS-NEMO-AM	A																																			

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IND		IRS-NG14	A																																	
IND		IRS-P4	N																																	
IND		IRS-P5	N																																	
IND		IRS-SCATSAT-1	A																																	
USA		IRVINE02	A																																	
USA		ISARA	A																																	
USA		ISAT	A																																	
F		ISLWE-1	A																																	
F		ISLWE-1	N																																	
I		ISS - ARISS	A																																	
I		ISS - ARISS	N																																	
USA		ISS RAPIDSCAT	A																																	
USA		ISS RAPIDSCAT	N																																	
USA		ISS SSCS	N																																	
J		ISS-JEM-ICS-R	N																																	
J		ISS-PROX-R	N																																	
USA		ISS-USOS-RPOD	N																																	
USA		ISTEP WIND	N																																	
POR		ISTSAT-1	A																																	
B		ITASAT-1	A																																	
J		ITF-1	A																																	
J		ITF-1	N																																	
IND		IUSAT-H1	A																																	
IND		IUSAT-H2	A																																	
USA		IXPE	A																																	
J		JAS-2	N																																	
F		JASON2	N																																	
F		JASON3	A																																	
F		JASON3	N																																	
CAN		JC2SAT	A																																	
J		JCUBES-A	A																																	
J		JCUBES-B	A																																	
F		JFDSAT-LEO-A-C	A																																	
F		JFDSAT-LEO-A-QV	A																																	
F		JFDSAT-LEO-A-QV	N																																	
F		JFDSAT-LEO-B-C	A																																	
F		JFDSAT-LEO-B-QV	A																																	
F		JFDSAT-LEO-B-QV	N																																	
F		JFDSAT-LEO-C-C	A																																	
F		JFDSAT-LEO-C-QV	A																																	
F		JFDSAT-LEO-C-QV	N																																	
F		JFDSAT-MEO-D-C	A																																	
F		JFDSAT-MEO-D-QV	A																																	
F		JFDSAT-MEO-D-QV	N																																	

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CHN		JILIN-1GPW-1	A																																	
CHN		JILIN-1GXW-1	A																																	
CHN		JILIN-1SPW-1	A																																	
CHN		JILIN-1SPW-1	N																																	
CHN		JILIN-1SPW-2	A																																	
CHN		JILIN-1SPW-2	N																																	
CHN		JL-1	A																																	
CHN		JL-1	N																																	
J		JOSHO	A																																	
USA		JPSS	A																																	
USA		JPSS	C																																	
USA		JUNO	N																																	
CHN		JUVENILE	A																																	
CHN		JUVENILE	N																																	
CHN		JUVENILE-OFO	A																																	
CHN		JUVENILE-OFO	C																																	
USA		JWST-R	A																																	
USA		JWST-R	N																																	
JOR		JY1SAT	A																																	
CHN		JZSG	A																																	
KOR		K2SAT	A																																	
RUS		KANOPUS-V	N																																	
KOR		KAUSAT-5	A																																	
KAZ		KAZSCISAT-1	A																																	
KAZ		KAZSCISAT-1	N																																	
KAZ		KAZSTSAT	A																																	
KAZ		KAZSTSAT	N																																	
CAN		KELYPSIS	A																																	
CAN		KELYPSIS	C																																	
UAE		KHALIFASAT	A																																	
IRN		KHALIJEFARS	A																																	
IRN		KHALIJEFARS	N																																	
KOR		KHUSAT-01	A																																	
KOR		KHUSAT-01	N																																	
S		KIRUNA ROCKET	N																																	
NZL		KIWISAT	A																																	
IRN		KIYASAT	A																																	
IRN		KIYASAT	N																																	
J		KKS-1	N																																	
THA		KNACKSAT	A																																	
KOR		KOMPSAT-1	N																																	
KOR		KOMPSAT-2	N																																	
KOR		KOMPSAT-3	A																																	
KOR		KOMPSAT-3	N																																	

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KOR		KOMPSAT-3A	A																																			
KOR		KOMPSAT-3A	N																																			
KOR		KOMPSAT-5	A																																			
KOR		KOMPSAT-5	N																																			
KOR		KOMPSAT-6	A																																			
RUS		KORONAS-PHOTON	N																																			
RUS		KOSPAS	N																																			
KOR		KPLO	A																																			
POL		KRAKSAT	A																																			
CHN		KS-2	A																																			
CHN		KS-2	C																																			
CYP		KYPROS-NGSO-1	A																																			
CYP		KYPROS-NGSO-1	N																																			
CYP		KYPROS-NGSO-2	A																																			
CYP		KYPROS-NGSO-3	A																																			
USA		KYSAT-2	A																																			
USA		KYSAT-3	A																																			
G		L5	A																																			
G		L5	C																																			
USA		L-92	N																																			
USA		L-92A	A																																			
USA		L-92A	C																																			
USA		LANDSAT-7	A																																			
USA		LANDSAT-7	N																																			
INS		LAPAN-A3-SAT	A																																			
INS		LAPAN-A3-SAT	N																																			
INS		LAPAN-A4-SAT	A																																			
INS		LAPANSAT	N																																			
INS		LAPAN-TUBSAT	N																																			
ARG		LATINSAT	N																																			
USA		LDCM	A																																			
USA		LDCM	N																																			
USA		LEMUR-2	A																																			
USA		LEMUR-2	N																																			
USA		LEMUR-2-3	A																																			
G		DMC3	A																																			
G		DMC3	N																																			
F		DORIS-2	N																																			
IRN		DOUSTI	A																																			
USA		DOVE1	A																																			
USA		DOVE2	A																																			
USA		DOVE3	A																																			
USA		DOVE4	A																																			
USA		DRAGONSAT-1	A																																			

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J		DREAME SAT 01	A																																
HOL		DREBELSAT	C																																
HOL		DREBELSAT-1	A																																
I		D-SAT	A																																
USA		DSCOV	A																																
CHN		DSLWP	A																																
CHN		DSLWP	N																																
IND		DSM1	A																																
G		DT1	A																																
RUS		DTRS-ISS	N																																
DNK		DTUSAT-2	A																																
UAE		DUBAISAT-1	N																																
UAE		DUBAISAT-2	N																																
UAE		DUBAISAT-2B	N																																
ISR		DUCHIFAT1	A																																
ISR		DUCHIFAT3	A																																
RUS		DX1	A																																
RUS		DX1	N																																
AFS		DYNACUBE	A																																
KAZ		DZZ-HR	A																																
KAZ		DZZ-HR	N																																
KAZ		DZZ-MR	A																																
KAZ		DZZ-MR	N																																
USA		EAGLE	A																																
USA		EAGLE	C																																
UKR		EAGLE OWL	A																																
USA		EAGLESAT-1	A																																
I		EAGLET	A																																
F	ESA	EARTHCARE	A																																
F		EB-SAT-LEO-1	C																																
F		EB-SAT-LEO-1A	A																																
F		EB-SAT-LEO-1B	C																																
G		EDEN	A																																
EGY		EGY-EX1	A																																
IRL		EIRSAT-1	A																																
NZL		ELECTRONNZ	A																																
USA		ELFIN B	A																																
F		ELISA	A																																
F		ELISA	N																																
USA		EMU-SSCS	N																																
G		EN-A	A																																
G		EN-A2	A																																
G		EN-C	C																																
BUL		ENDURO SAT ONE	A																																

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D		ENMAP-1	A																																
USA		EOS AM	N																																
USA		EOS PM	N																																
USA		EQUISAT	A																																
J		EQUULEUS	A																																
J		ERG	A																																
J		ERG	N																																
ISR		EROS	N																																
F	ESA	ESEO	A																																
F		ESSAIM	N																																
F		ES-SAT-2	C																																
EGY		E-STAR	A																																
I		E-STAR2	A																																
EGY		E-STAR-A	A																																
I		E-STAR-I	A																																
EST		ESTCUBE-1	A																																
EST		ESTCUBE-1	N																																
USA		EUROPA CLIPPER	A																																
CAN		EV9	A																																
CAN		EV9	C																																
F	ESA	EXOMARS SCC	A																																
F	ESA	EXOMARS SCC	N																																
F	ESA	EXOMARS TGO	A																																
F	ESA	EXOMARS TGO	N																																
J		EXOS-D	N																																
F		EYESAT	A																																
VTN		F-1 CUBESAT	A																																
CLM		FACSAT	A																																
UAE		FALAK-1	C																																
UAE		FALCONEYE	A																																
USA		FALCONSAT	A																																
USA		FALCONSAT	C																																
USA		FALCONSAT	N																																
I		FEES	A																																
J		FITSAT-1	A																																
D		FLYING LAPTOP	A																																
D		FLYING LAPTOP	N																																
CHN		FMN	A																																
CHN		FMN	N																																
CHN		FORTTRAN	A																																
CHN		FORTTRAN	C																																
CHN		FORTTRAN-2	A																																
CHN		FORTTRAN-2	C																																
CHN		FORTTRAN-2-YZ	A																																

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CHN		FORTTRAN - C	A																																		
CHN		FORTTRAN - EN	C																																		
USA		FOX-1B	A																																		
USA		FOX-1C	A																																		
USA		FOX-1D	A																																		
USA		FOX-1E	A																																		
F		F-SAT-NG-2	A																																		
F		F-SAT-NG-3	A																																		
F		F-SAT-NG-4	A																																		
F		F-SAT-NG-5	A																																		
F		F-SAT-NG-6	A																																		
F		F-SAT-NG-8	A																																		
HOL		FUNCUBE-1	A																																		
HOL		FUNCUBE-1	N																																		
CHN		FY-1	N																																		
CHN		FY-3	N																																		
CHN		FY-3-A	A																																		
CHN		FY-3-A	N																																		
F	ESA	GAIA	A																																		
F	ESA	GAIA	N																																		
SNG		GALASSIA	A																																		
SNG		GALASSIA	N																																		
CHN		GALAXY-1	A																																		
F	GLS	GALILEO-2	A																																		
F	GLS	GALILEO-2	C																																		
I	GLS	GALILEO-M-NAVSTAR	N																																		
D	GLS	GALILEO-NAV-2004	N																																		
CHN		GC-1	A																																		
CHN		GC-1	N																																		
CHN		GC-2	A																																		
CHN		GC-2	N																																		
CHN		GC-3	A																																		
CHN		GC-3	N																																		
CHN		GC-5	A																																		
CHN		GC-5	N																																		
CHN		GC-7	A																																		
CHN		GC-8	A																																		
CHN		GC-8	C																																		
CHN		GC-9	A																																		
J		GCOM-C1	A																																		
J		GCOM-C1	N																																		
J		GCOM-W1	N																																		
RUS		GEO-IK-2	A																																		
RUS		GEO-IK-2	C																																		

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RUS		GEO-IK-2	N																																		
J		GEOTAIL	N																																		
GHA		GHANASAT-1	A																																		
CAN		GHGSAT-D	A																																		
CAN		GHGSAT-D	N																																		
USA		GLAST	N																																		
USA		GLOBAL	A																																		
USA		GLOBAL	C																																		
USA		GLOBAL-A	A																																		
RUS		GLONASS	N																																		
RUS		GLONASS-M	A																																		
RUS		GLONASS-M	C																																		
RUS		GLONASS-M	N																																		
RUS		GLORES	A																																		
RUS		GLORES	C																																		
RUS		GLORES	N																																		
ROU		GOLIAT	A																																		
DNK		GOMX-1	A																																		
DNK		GOMX-2	A																																		
RUS		GONETS-M	N																																		
D		GOS D-STAR	A																																		
J		GOSAT	N																																		
J		GOSAT-2	A																																		
USA		GPM	N																																		
D		GRACE	N																																		
J		GRUS	A																																		
CHN		HA-1	A																																		
CHN		HA-1	N																																		
USA		HARP	A																																		
USA		HARP	C																																		
J		HAYABUSA2	A																																		
J		HAYABUSA2	N																																		
J		HAYABUSA2SN	A																																		
J		HAYABUSA2SN	N																																		
NOR		HEIMDALL-1	A																																		
NOR		HEIMDALL-1-UHF	A																																		
USA		HESSI	N																																		
USA		HIBLEO-2	C																																		
USA		HIBLEO-2	N																																		
USA		HIBLEO-2FL	N																																		
USA		HIBLEO-2FL2	C																																		
USA		HIBLEO-2FL2	N																																		
USA		HIBLEO-4	N																																		
USA		HIBLEO-5FL-2	N																																		

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F		HIBLEO-X	C																															
F		HIBLEO-X	N																															
NOR		HINCUBE	A																															
CHN		HJ-1-ABC	N																															
CHN		HJ-2-AB	A																															
J		HODOYOSHI	A																															
J		HODOYOSHI	N																															
J		HODOYOSHI-3-4	A																															
J		HODOYOSHI-3-4	N																															
HOL		HOL-MG-A006	C																															
HOL		HOL-MG-ANS-001	A																															
HOL		HOL-MG-ANS-002	A																															
HOL		HOL-MG-ANS-002	N																															
USA		HOOPONOPONO-2	A																															
J		HORYU4	A																															
USA		HSAT	A																															
USA		HSAT-1	A																															
J		HSKSAT	A																															
CHN		HT-1	A																															
J		HTV-R	N																															
E		HUMSAT-D	A																															
E		HUMSAT-D	N																															
CHN		HXMT	A																															
CHN		HXMT	N																															
CHN		HY-1	N																															
CHN		HY-1CD	A																															
CHN		HY-2	N																															
CHN		HY-2N	A																															
IND		HYSIS	A																															
USA		IBEX	N																															
D		ICARUS	A																															
D		ICARUS	N																															
USA		ICESAT-2	A																															
USA		ICESAT-2	N																															
FIN		ICEYE-POC	A																															
FIN		ICEYE-POC	N																															
USA		ICON	A																															
USA		ICON	N																															
PAK		ICUBE-1	A																															
J		IDEA	A																															
F		IGOSAT	A																															
J		IKAROS	N																															
RUS	IK	IK-NGSO-A10K-1	A																															
RUS	IK	IK-NGSO-A10K-1	C																															

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RUS	IK	IK-NGSO-A10K-2	C																															
HOL		IMDC	A																															
USA		INCA	A																															
J		INDEX-1	N																															
E		INGENIO R	A																															
MLA		INNOSAT 2	A																															
I		INORBIT NOW MK01	A																															
IND		INS-1	A																															
IND		INSAT-NAV-A-GS	C																															
IND		INSAT-NAV-A-GS	N																															
USA		LEMUR-2-3	A																															
USA		LEMUR-2-3	C																															
USA		LEO	A																															
USA		LEOTELCOM-1	N																															
USA		LIBERTAS	A																															
USA		LIGHTSAIL2	A																															
LTU		LITSAT-1	A																															
LTU		LITSAT-1	N																															
LTU		LITUANICASAT-1	A																															
LTU		LITUANICASAT-1	N																															
LTU		LITUANICASAT-2	A																															
LTU		LITUANICASAT-2	N																															
IND		LMI	A																															
IND		LMI	C																															
CHN		LONGSAT-1	A																															
VTN		LOTUSAT-1	A																															
USA		LRO	A																															
USA		LRO	N																															
CZE		LUCKY-7	A																															
CZE		LUCKY-7	N																															
USA		LUCY	A																															
E		LUME-1	A																															
USA		LUNAH-MAP	A																															
CHN		LUNAR CTDRS-1	A																															
USA		LUNAR FLASHLIGHT	A																															
USA		LUNAR ICECUBE	A																															
USA		LUNAR ICECUBE	C																															
CHN		LUNAR LANDER	N																															
CHN		LUNAR ORBITER-A	A																															
CHN		LUNAR ORBITER-B	A																															
CHN		LUNAR ROVER	N																															
CHN		LUNAR S-SAT	A																															
RUS		LUNA-RESURS	A																															
RUS		LUNA-RESURS	N																															

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CHN		LUOJIA-1A	A																																		
CHN		LUOJIA-1A	C																																		
LUX		LUX-N1-2	C																																		
LUX		LUX-N1-3	A																																		
LUX		LUX-NGSO-BESS	A																																		
LUX		LUX-NGSO-G2-1	A																																		
CAN		M3MSAT	A																																		
CAN		M3MSAT	N																																		
LTU		M6P	A																																		
D		MAGNIFYING GLASS	N																																		
USA		MAKERSAT-1	A																																		
CAN		MAPLELEAF-1	A																																		
CAN		MAPLELEAF-1	C																																		
USA		MARCO	A																																		
USA		MARS 2001 ORBITER	N																																		
USA		MARS 2020	A																																		
USA		MARS 2020	N																																		
F	ESA	MARS-EXPRESS	N																																		
HNG		MASAT-1	A																																		
S	NOT	MATS	A																																		
USA		MAVEN	N																																		
I		MAX VALIER SAT	A																																		
USA		MCNAIR	A																																		
F		MCSAT LEO	C																																		
F		MCSAT-2 HEO	C																																		
F		MCSAT-2 HEO-1	C																																		
F		MCSAT-2 LEO-1	C																																		
F		MCSAT-2 LEO-2	C																																		
F		MCSAT-2 MEO-1	C																																		
F		MCSAT-2 MEO-2	C																																		
CHN		MCSCS	C																																		
USA		M-CUBED	A																																		
B		MECB/SCD-2	N																																		
B		MECB-S1	N																																		
IND		MEGHA-TROPIQUES	A																																		
IND		MEGHA-TROPIQUES	N																																		
USA		MEMSAT-1	A																																		
USA		MER-R	A																																		
IRN		MESBAH	N																																		
RUS		METEOR-3M	N																																		
G		METHERA-A	C																																		
G		METHERA-B	A																																		
F	ESA	METOP	N																																		
D	EUM	METOP-SG	A																																		

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UAE		MEZNSAT	A																															
VTN		MICRODRAGON	A																															
PNG		MICRONSAT	A																															
PNG		MICRONSAT	C																															
USA		MICROSAT-2	A																															
IND		MICROSAT-R	A																															
IND		MICROSAT-TD-1	A																															
F		MICROSCOPE	A																															
F		MICROSCOPE	N																															
LUX		MINAS	A																															
LUX		MINAS	C																															
RUS		MINI-RSA	A																															
E		MINISAT-1	N																															
USA		MINXSS	A																															
MAU		MIR-SAT1	A																															
EGY		MISRSAT-1	N																															
MLA		MLA-NEQO	N																															
IND		MMI	A																															
IND		MMI	N																															
USA		MMS	N																															
CHN		MN10-1	A																															
AUS		MNSAT	C																															
MRC		MOHAMMED VI - AB	A																															
MRC		MOHAMMED VI - AB	N																															
RUS		MOLNIA-1	N																															
RUS		MOLNIA-2	N																															
RUS	IK	MOLNIA-3	N																															
RUS		MONITOR	N																															
CAN		MOST-1	N																															
D		MOVE 2B AMATEUR	A																															
D		MOVE2	A																															
D		MOVE2	N																															
D		MOVE2B	A																															
D		MOVE-II AMATEUR	A																															
USA		MRO	N																															
F	GLS	MSATNAV	N																															
F	GLS	MSATNAV-2	N																															
F	GLS	MSATNAV-3	N																															
F	GLS	MSATNAV-4	N																															
USA		MSL	N																															
J		MSTD	A																															
J		MSTD	C																															
F		MT-CUBE	A																															
USA		MTI	N																															

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CAN		MULTUS	A																																
CAN		MULTUS	C																																
J		MUSES-C	N																																
USA		MYCROFT	A																																
USA		MYCROFT	C																																
UAE		MYSAT-1	A																																
UAE		MYSAT-1	N																																
IRN		NAHID	A																																
IRN		NAHID	N																																
USA		NANOACE	A																																
USA		NANOACE	N																																
J		NANO-JASMINE1	A																																
E		NANOSAT-1	N																																
B		NANOSATC-BR1	A																																
EGY		NARSSCUBE	A																																
USA		NAVSTAR GPS	N																																
USA		NAVSTAR GPS-IIRF	N																																
UAE		NAYIF-1	A																																
UAE		NAYIF-1	N																																
USA		NEA SCOUT	A																																
USA		NEA SCOUT	N																																
SVN		NEMO-HD	A																																
SVN		NEMO-HD	N																																
CAN		NEOSSAT-1A	A																																
CAN		NEOSSAT-1A	N																																
D		NETSAT	A																																
USA		NEW HORIZONS	N																																
KOR		NEXTSAT-1	A																																
KOR		NEXTSAT-1	N																																
J		NEXUS	A																																
NIG		NIGERIASAT-2	A																																
NIG		NIGERIASAT-X	A																																
USA		NIRIS	A																																
USA		NIRIS	N																																
USA		NISAR	A																																
USA		NISAR	C																																
IND		NISAR-IND	A																																
USA		NMTSAT	A																																
USA		NOAA N	N																																
USA		NOAA-KLM	N																																
KOR		NONGEO AMATEUR SAT	A																																
NOR		NORSAT-1	A																																
NOR		NORSAT-1	N																																
NOR		NORSAT-2	A																																

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NOR		NORSAT-2	N																																		
NOR		NORSAT-30	A																																		
NOR		NORSAT-H1	A																																		
NOR		NORSAT-H1	C																																		
CAN		NORTHSTAR	A																																		
G		NOVASAR-S1	A																																		
USA		NPOESS	A																																		
USA		NPOESS	N																																		
USA		NPP	N																																		
J		N-SAT-HEO2	N																																		
IRN		OMID	A																																		
J		OMOTENASHI	A																																		
F	ESA	OPS-SAT	A																																		
F	ESA	OPS-SAT	N																																		
E		OPTOS	N																																		
I		OPTSAT	A																																		
D		OPTSAT-D	A																																		
J		OPUSAT	A																																		
J		ORIGAMISAT-1	A																																		
USA		ORION	N																																		
USA		OSCAR-7	N																																		
USA		OSCAR-8	N																																		
USA		OSIRIS_REX	A																																		
USA		OSIRIS_REX	N																																		
USA		OSTM	A																																		
BEL		OUFTI-1	A																																		
BEL		OUFTI-1	N																																		
BEL		OUFTI-2	A																																		
CHN		OVS-1	A																																		
USA		P-197-1	N																																		
USA		P92-1	N																																		
USA		P92-1A	A																																		
USA		P92-1A	C																																		
USA		P92-1A	N																																		
USA		P92-2	N																																		
USA		P92-2A	A																																		
USA		P92-2A	C																																		
USA		P92-2A	N																																		
BEL		PACE	A																																		
USA		PACE-A	A																																		
MEX		PAINANI	A																																		
MEX		PAINANI	N																																		
PAK		PAKTES-1	A																																		
PAK		PAKTES-1	N																																		

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PAK		PAKTES-1B	A																																
USA		PAM	N																																
USA		PATHFINDER	A																																
E		PAZ	A																																
E		PAZ	N																																
E		PAZ_R	A																																
E		PAZ_R	N																																
PRU		PERU-SAT01	A																																
PRU		PERU-SAT01	N																																
PHL		PHL-MICROSAT	A																																
PHL		PHL-MICROSAT	N																																
PHL		PHL-MICROSAT2	A																																
RUS		PHOBOS-GRUNT	N																																
USA		PICASSO	N																																
BEL		PICASSO-BEL	A																																
VTN		PICO DRAGON CUBESAT	A																																
USA		PIONEER-10	N																																
J		PLANET-C	A																																
J		PLANET-C	N																																
F		PLEIADES	A																																
F		PLEIADES	N																																
PAK		PNSS-1	A																																
E		POLITECH-1	A																																
UKR		POLYITAN-1	A																																
USA		PONSPD	A																																
USA		PONSPD	N																																
RUS		POTOK-ISS	A																																
RUS		POTOK-ISS	N																																
J		PRISM1	N																																
J		PRISM2	N																																
S		PRISMA	N																																
I		PRISMA-I1	A																																
F	ESA	PROBA	N																																
F	ESA	PROBA-2	A																																
F	ESA	PROBA-2	N																																
F	ESA	PROBA-3	A																																
F	ESA	PROBA-3	N																																
F	ESA	PROBA-V	N																																
J		PROCYON	A																																
RUS		PROGNOZ-N	A																																
J		PROITERES2	A																																
USA		PROMETHEUS-B1	A																																
USA		PROMETHEUS-B2	A																																
USA		PROMETHEUS-B2	C																																

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
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F		PROTEUS-OBS	N																															
F		PROTEUS-TPFO	N																															
PAK		PRSS-O1R	A																															
PAK		PRSS-O1R	N																															
USA		PSAT-2	A																															
IND		PSLV	N																															
POL		PW-SAT	A																															
POL		PW-SAT2	A																															
BEL		QB50_DIOD	A																															
BEL		QB50_DIOD	N																															
BEL		QB50_DSC	A																															
BEL		QB50_DSC	N																															
BEL		QB50_ISS	A																															
BEL		QB50_ISS	N																															
KOR		QB50_KR01	A																															
CHN		QB50-CN	A																															
BEL		QB50P	A																															
BEL		QB50P	N																															
S		QBEE50-LTU-OC	A																															
J		QPS-SAR	A																															
CHN		QS1	A																															
CHN		QS1	C																															
J		QSAT	N																															
GTM		QUETZAL-1	A																															
USA		QUIKSCAT	N																															
CHN		QXSI-LOW-ORBITAL-EX-	C																															
J		QZSS	A																															
J		QZSS	C																															
J		QZSS	N																															
J		QZSS-1	N																															
J		QZSS-A	A																															
J		QZSS-A	C																															
CAN		RADARSAT-2C	N																															
CAN		RADARSAT-3C	A																															
RUS		RADIO-M	N																															
USA		RADIX	A																															
USA		RADSAT-G	A																															
USA		RAINCUBE	A																															
USA		RANGE-A-B	A																															
D		RAPIDEYE	N																															
TUR		RASAT	A																															
USA		RAVAN	A																															
USA		RAYTHEON-SEEME	A																															
USA		RBSP	N																															

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88				
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FIN		REAKTOR HELLO WORLD	A																																		
FIN		REAKTOR HELLO WORLD	N																																		
USA		RED-EYE	A																																		
G		REMDEB	A																																		
IND		RESOURCESAT	A																																		
IND		RESOURCESAT	N																																		
RUS		RESURS-DK1	N																																		
IND		RISAT	A																																		
J		RISESAT	A																																		
RUS		RLB	A																																		
F		ROBUSTA-1B	A																																		
F		ROBUSTA-1B	N																																		
DNK		ROMIT-1	A																																		
F	ESA	ROSETTA	N																																		
RUS		RS	N																																		
IND		RS-D2	N																																		
J		RSP-00	A																																		
J		RSP-01	A																																		
SUI		S4P	A																																		
SUI		S4P	C																																		
SUI		S4P	N																																		
USA		S5	A																																		
ARG		SAC-D	A																																		
B		SACI-1	N																																		
USA		SAI-1	A																																		
ISR		SAMSON-1	A																																		
ISR		SAMSON-2	C																																		
ARG		SAOCOM-1	A																																		
CAN		SAPPHIRE	N																																		
USA		SAR	N																																		
D		SARAH	A																																		
IND		SARAL	A																																		
ARS		SAUDISAT-1C	N																																		
ARS		SAUDISAT-2	N																																		
ARS		SAUDISAT-4	A																																		
ARS		SAUDISAT-4	C																																		
ARS		SAUDISAT-4	N																																		
ARS		SAUDISAT-5	A																																		
ARS		SAUDISAT-5	C																																		
ARS		SAUDISAT-5	N																																		
ARS		SAUDISAT-6	A																																		
ARS		SAUDISAT-6	C																																		
ARS		SAUDISAT-6	N																																		
CAN		SCISAT-1	N																																		

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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USA		SDO	N																																	
J		SDS-1	A																																	
J		SDS-1	N																																	
J		SDS-A	N																																	
NOR		SE-6-HEO-1	A																																	
NOR		SE-6-HEO-1	C																																	
NOR		SE-6-HEO-1A	A																																	
NOR		SE-6-HEO-1A	C																																	
USA		SEAHAWK	A																																	
S		SEAM	A																																	
S		SEAM	N																																	
CHN		SECM-1	A																																	
RUS		SELENA	N																																	
F	ESA	SENTINEL-1	N																																	
F	ESA	SENTINEL-2	N																																	
F	ESA	SENTINEL-3	N																																	
F	ESA	SENTINEL-5P	A																																	
F	ESA	SENTINEL-5P	N																																	
IND		SEO BHASKARA-1	N																																	
IND		SEO BHASKARA-2	N																																	
B		SERPENS	A																																	
J		SERVIS-2	N																																	
CHN		SHENZHO	N																																	
J		SHINDAI SAT	A																																	
J		SHIN-EN2	A																																	
UKR		SICH-2	N																																	
KOR		SIGMA	A																																	
CHN		SIGNSAT-NGSO	A																																	
CHN		SIGNSAT-NGSO	C																																	
BEL		SIMBA	A																																	
BEL		SIMBA	C																																	
USA		SIRTF	N																																	
SLM		SI-SAT-BILIKIKI	C																																	
SLM		SI-SAT-KURUKURU	C																																	
CHN		SJ-9	A																																	
CHN		SJ-9	N																																	
SVK		SKCUBE	A																																	
SVK		SKCUBE	N																																	
RUS		SKY-F	C																																	
J		SLATS	A																																	
J		SLATS	N																																	
USA		SMAP	N																																	
USA		S-MICRO 1N	A																																	
HNG		SMOG-1	A																																	



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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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HNG		SMOG-1	N																																
HNG		SMOG-P	A																																
F	ESA	SMOS	N																																
RUS		SMOTR	A																																
D		S-NET	A																																
D		S-NET AMATEUR	A																																
D		S-NET AMATEUR	N																																
D		S-NET1	A																																
KOR		SNUGLITE	A																																
KOR		SNUSAT-1	A																																
KOR		SNUSAT-1B	A																																
KOR		SNUSAT-2	A																																
J		SOCRATES	A																																
J		SOCRATES	N																																
F	ESA	SOHO	N																																
F	ESA	SOLAR ORBITER	A																																
F	ESA	SOLAR ORBITER	N																																
J		SOLAR-B	N																																
D		SOMP-TUD	A																																
D		SONATE	A																																
USA		SORCE	N																																
USA		SPACE SHUTTLE	N																																
USA		SPACE SHUTTLE EVA	N																																
ISR		SPACEIL	A																																
CHN		SPACEKEY-1	A																																
CHN		SPACEKEY-2	A																																
CHN		SPACEKEY-2	N																																
G		SPACENET-IOM	A																																
CHN		SPACEWAY	A																																
CHN		SPACEWAY	C																																
J		SPATIUM	A																																
J		SPATIUM	C																																
RUS		SPECTR-R	N																																
RUS		SPECTR-RG	A																																
RUS		SPECTR-RG	N																																
SNG		SPOOQY-1	A																																
F		SPOT-2	N																																
F		SPOT-3	N																																
USA		SPOT-4 (POAM)	N																																
USA		SPP	A																																
USA		SPP	N																																
CHN		SPPOSS-2-01	A																																
CHN		SPPOSS-2-01	N																																
CHN		SPPOSS-3-01	A																																

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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CHN		SPPOSS-3-01	N												█	█																			
CHN		SPPOSS-4-01	A												█	█																			
CHN		SPPOSS-4-01	N												█	█																			
J		SPRINT-A	A												█	█																			
J		SPRINT-A	N												█	█																			
J		SPRITE-SAT	A												█	█																			
J		SPRITE-SAT	N												█	█																			
IND		SROSS-1	N												█	█																			
IND		SROSS-3	N												█	█																			
G		SSG-3D	A												█	█																			
G		SSG-CSL	A												█	█																			
G		SSG-CSL	C												█	█																			
CHL		SSOT	N												█	█																			
USA		ST	N												█	█																			
USA		ST OMNI	N												█	█																			
CHN		STAR OF AOXIANG	A												█	█																			
DNK		STARLING	A												█	█																			
J		STARS	N												█	█																			
J		STARS-AO	A												█	█																			
J		STARS-C	A												█	█																			
J		STARS-ME	A												█	█																			
NOR		STEAM-1	C																																
NOR		STEAM-2	C																																
NOR		STEAM-2B	C																																
KOR		STEP-1	A												█	█																			
USA		STEREO	N												█	█																			
USA		STF-1	A												█	█																			
G		STRAND1	A												█	█																			
F		STRIPE	A												█	█																			
KOR		STSAT-2	N												█	█																			
KOR		STSAT-3	N												█	█																			
CHL		SUCHAI	A												█	█																			
CHL		SUCHAI	N												█	█																			
FIN		SUOMI 100	A												█	█																			
FIN		SUOMI 100	N												█	█																			
USA		SURFSAT	A												█	█																			
USA		SWAMPSAT	A												█	█																			
F	ESA	SWARM	N												█	█																			
POL		SWIATOWID	A												█	█																			
POL		SWIATOWID 2	A												█	█																			
USA		SWIFT	N												█	█																			
SUI		SWISSCUBE	N												█	█																			
F		SWOT	A												█	█																			
F		SWOT	N												█	█																			

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88				
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USA		SWOT-USA	A																																		
USA		SWOT-USA	N																																		
RUS		TABLETSAT-AURORA	A																																		
F		TARANIS	A																																		
F		TARANIS	N																																		
F		TARANIS-A	A																																		
CHN		TAURUS-1	A																																		
G		TECHDEMOSAT-1	A																																		
G		TECHDEMOSAT-1	N																																		
USA		TECHEDSAT1	A																																		
D		TECHNOSAT	A																																		
D		TECHNOSAT	N																																		
D		TECHNOSAT AMATEUR	A																																		
D		TECHNOSAT AMATEUR	N																																		
J		TEIKYOSAT-3	A																																		
SNG		TELEOS-1	A																																		
SNG		TELEOS-1	C																																		
SNG		TELEOS-1	N																																		
J		TEN-KOH	A																																		
D		TERRASAR	N																																		
USA		TESS	A																																		
USA		TESS	N																																		
D		TET-1	N																																		
D		TET-X	A																																		
D		TET-X	N																																		
CHN		TFSTAR	A																																		
USA		THEA	A																																		
G		THEME	C																																		
USA		THEMIS	N																																		
USA		THEMIS-LUNAR	N																																		
G		THEO	C																																		
THA		THEOS	N																																		
CHN		TIANQI	A																																		
CHN		TIANWANG	N																																		
CHN		TIANYAN	A																																		
CHN		TIANZHI-01	A																																		
CHN		TIANZHOU	A																																		
CHN		TIANZHOU	N																																		
USA		TIMED	N																																		
SUI		TISAT-1	N																																		
IRN		TOLU1-2	A																																		
USA		TRAILBLAZER	A																																		
J		TRICOM-1	A																																		
J		TRICOMS	A																																		

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
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SVN		TRISAT	A																															
HOL		TRITON1	A																															
HOL		TRITON1	N																															
HOL		TRITON2	A																															
RUS		TROS	A																															
D		TRSI	A																															
CHN		TSN-1A	A																															
J		TSUBAME	N																															
RUS		TSYKADA	N																															
EST		TTU100	A																															
EST		TTU100	N																															
D		TUBSAT	A																															
I		TU-POD	A																															
I		TU-POD	N																															
IND		TWSAT	N																															
CHN		TXIN	C																															
CHN		TY-1	A																															
CHN		TY1-06	A																															
CHN		TY2	A																															
CHN		TY2	N																															
CHN		TY2D	A																															
CHN		TY3-04	A																															
CHN		TY4	A																															
CHN		TY4	N																															
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NOR		TYVAK-0040	A																															
NOR		TYVAK-0072	A																															
NOR		TYVAK-0082	A																															
NOR		TYVAK-0092	A																															
NOR		TYVAK-1012	A																															
TUR		UBAKUSAT	A																															
B		UBATUBASAT	A																															
RUS		UCTS-ISS	A																															
RUS		UCTS-ISS	N																															
I		UHETSAT	A																															
G		UKUBE-1	A																															
MEX		ULISES 1	A																															
DNK		ULLORIAQ	A																															
DNK		ULLORIAQ	N																															
BEL		UNICORN-1	A																															
D		UNICORN-2A	A																															
J		UNIFORM-1	A																															

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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I		UNISAT-6	A																																
I		UNISAT-6	N																																
USA		USASAT-28C	N																																
USA		USASAT-30A	A																																
USA		USASAT-30A	N																																
USA		USASAT-30B	N																																
USA		USASAT-30C	N																																
USA		USASAT-30E	A																																
USA		USASAT-30E	N																																
USA		USASAT-30F	A																																
USA		USASAT-30F	C																																
USA		USASAT-30F	N																																
USA		USASAT-NGSO-2	A																																
USA		USASAT-NGSO-3A-R	C																																
USA		USASAT-NGSO-3B-R	C																																
USA		USASAT-NGSO-3C	C																																
USA		USASAT-NGSO-3D	C																																
USA		USASAT-NGSO-3E	C																																
USA		USASAT-NGSO-3F	C																																
USA		USASAT-NGSO-3G	A																																
USA		USASAT-NGSO-3H	A																																
USA		USASAT-NGSO-3I	A																																
USA		USASAT-NGSO-3J	A																																
USA		USASAT-NGSO-3K	A																																
USA		USASAT-NGSO-3L	A																																
USA		USASAT-NGSO-4	C																																
USA		USASAT-NGSO-4B	A																																
USA		USASAT-NGSO-4C	C																																
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USA		USASAT-NGSO-6	C																																
USA		USASAT-NGSO-ASTC-2	A																																
USA		USCHAMA	A																																
USA		USCHAMA	C																																
USA		USCLOUDSAT	N																																
USA		USCP	N																																
USA		USCSID-P	N																																
USA		USCSU	A																																
USA		USCSU	C																																
USA		USCUBESAT	A																																
USA		USGGR-HEO	N																																
USA		USGGR-LEO	N																																
USA		USKL	N																																
USA		USKL-A	A																																

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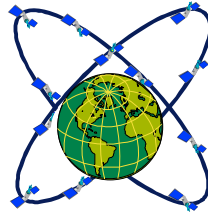
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USA		USKL-A	C																															
USA		USKL-A	N																															
USA		USKW	A																															
USA		USKW	N																															
USA		USLL-HEO	N																															
USA		USLL-LEO	N																															
USA		USMIG	A																															
USA		USMIG	C																															
USA		USMSE	A																															
USA		USMSE	C																															
USA		USOCEAN	A																															
USA		USPOE	A																															
USA		USPOJOAQUE	N																															
USA		USPOL	N																															
USA		USRSR	N																															
USA		USSATCOM-2	A																															
USA		USSATCOM-2	C																															
USA		UST4WP	A																															
USA		UST4WP	C																															
USA		USTRO-1	N																															
USA		USVRS	A																															
USA		USVRS	C																															
USA		USYV	N																															
F		VALVE	A																															
G		VANGUARD	A																															
B		VCUB1	A																															
SNG		VELOX-CI	A																															
SNG		VELOX-CI	N																															
SNG		VELOX-II	A																															
SNG		VELOX-II	N																															
LVA		VENTA-1	A																															
LVA		VENTA-1	N																															
LVA		VENTA-2	A																															
ISR		VENUS	A																															
ISR		VENUS	N																															
G		VERA	A																															
USA		VERMONT LUNAR	A																															
G		VESTA	A																															
CAN		VGEO-1	A																															
CAN		VGEO-1	C																															
F		VHR2020	A																															
F		VHR2020	N																															
KOR		VISIONCUBE	A																															
VTN		VNREDSAT-1	N																															

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USA		VOYAGER-1	N																																	
USA		VOYAGER-2	N																																	
VEN		VRSS-1	A																																	
VEN		VRSS-1	N																																	
VEN		VRSS-2	A																																	
VEN		VRSS-2	N																																	
J		WASEDA-SAT3	A																																	
FIN		W-CUBE	A																																	
J		WE WISH	A																																	
J		WEOS-R	N																																	
USA		WISE	N																																	
D		WREN	A																																	
CHN		WTI-01	A																																	
J		XI-IV	N																																	
CHN		XINGYUN	C																																	
CHN		XINGYUN-2	A																																	
CHN		XINGYUN-2	C																																	
J		XI-V	N																																	
F	ESA	XMM	N																																	
SNG		X-SAT	A																																	
SNG		X-SAT	N																																	
USA		XTE	N																																	
CHN		XW-1	N																																	
UKR		YAVIR-1	N																																	
AFS		ZACUBE-1	A																																	
AFS		ZACUBE-2	A																																	
CHN		ZDWT-1	A																																	
CHN		ZDWT-1	C																																	
CHN		ZG6U-1	A																																	
CHN		ZH-1	A																																	
CHN		ZH-1	N																																	
CHN		ZHOBT-1	A																																	
F		ZIP	C																																	
CHN		ZIYUAN-3	N																																	
CHN		ZIYUAN-3-02	A																																	
CHN		ZIYUAN-3-02	N																																	
CHN		ZJ-1	A																																	
CHN		ZJ-1	N																																	
CHN		Z-STAR	A																																	
CHN		ZW-1	A																																	
CHN		ZW-1	C																																	
J		N-SAT-HEO2	N																																	
ISR		NSL-1	A																																	
ISR		NSL-1	C																																	

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ISR		NSL-2	A																																	
CHN		NUAA-1	N																																	
INS		NUSANTARA-SS1-A	A																																	
USA		NUSTAR	N																																	
NOR		NUTS	A																																	
G		O3B-A	N																																	
G		O3B-B	C																																	
G		O3B-B	N																																	
G		O3B-C	C																																	
G		O3B-D	A																																	
IND		OCEANSAT-2	A																																	
IND		OCEANSAT-2	N																																	
USA		OCO-2	N																																	
S		ODIN	N																																	
CHN		OKSAT	A																																	
CHN		OKSAT	C																																	
CHN		OKW-SAT-01	A																																	
CHN		OKW-SAT-01	C																																	



SECTION A5

LISTE DES RÉSEAUX SPATIAUX NON-GÉOSTATIONNAIRES POUR LESQUELS DES RENSEIGNEMENTS ONT ÉTÉ COMMUNIQUÉS EN APPLICATION DES DISPOSITIONS DE L'ARTICLE 9 (NUMÉRO 9/11A)/RÉSOLUTION 46 ET/OU DE L'ARTICLE 11 DU RÈGLEMENT DES RADIOCOMMUNICATIONS

A5 节

根据《无线电规则》第9条（第9.11A款）/第46号决议和/或第11条的规定，已通报了相关信息的非对地静止空间网络的清单

SECTION A5

LIST OF NON-GEOSTATIONARY SPACE NETWORKS FOR WHICH INFORMATION HAS BEEN COMMUNICATED IN APPLICATION OF THE PROVISIONS OF ARTICLE 9 (No. 9.11A)/RESOLUTION 46 AND/OR ARTICLE 11 OF THE RADIO REGULATIONS

РАЗДЕЛ А5

СПИСОК НЕГЕОСТАЦИОНАРНЫХ КОСМИЧЕСКИХ СЕТЕЙ, СВЕДЕНИЯ ПО КОТОРЫМ БЫЛИ СООБЩЕНЫ В ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ СТАТЬИ 9 (П. 9.11А)/РЕЗОЛЮЦИИ 46 И/ИЛИ СТАТЬИ 11 РЕГЛАМЕНТА РАДИОСВЯЗИ

SECCIÓN A5

LISTA DE REDES ESPACIALES NO-GEOESTACIONARIAS SOBRE LAS CUALES SE HA COMUNICADO INFORMACIÓN EN APLICACIÓN DE LAS DISPOSICIONES DEL ARTÍCULO 9 (NÚMERO 9.11A)/RESOLUCIÓN 46 Y/O DEL ARTÍCULO 11 DEL REGLAMENTO DE RADIOCOMUNICACIONES

القسم A5

قائمة الشبكات الفضائية غير المستقرة بالنسبة إلى الأرض التي تم إرسال معلومات خاصة بها تطبيقاً لأحكام المادة 9 (الرقم 11A.9)/القرار 46 و/أو المادة 11 من لوائح الراديو

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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CAN		102	C																																
LIE		3ECOM-1	C																																
LIE		3ECOM-3	C																																
F		A4MSSNG	C																																
F		A4NG-C	C																																
CHN		ACONNECT	C																																
CHN		ACONNECT-T	C																																
CAN		ADS	C																																
CAN		ADS	N																																
I		AGILE	N																																
E		AISTECH	A																																
USA		ANDESITE	A																																
NZL		APOG	C																																
RUS		ARCTICA-M	C																																
RUS		ARCTICA-M	N																																
NOR		ARE-2	C																																
NOR		ARE-2	N																																
NOR		ARE-3	C																																
F		ARGOS-4A	C																																
USA		ASGARDIA1	A																																
NOR		ASK-1	C																																
F		AST-NG-C-1	C																																
F		AST-NG-C-2	C																																
F		AST-NG-C-3	C																																
F		AST-NG-C-4	C																																
USA		BLOCK 5D-3	N																																
USA		BRIO	A																																
USA		CACTUS-1	A																																
CAN		CANPOL	C																																
CAN		CANPOL-2	C																																
CAN		CANPOL-3	C																																
CAN		CANSAT-LEO	C																																
CAN		CASCADE-CX	N																																
G		CATAPULT-IOD	A																																
USA		CHALLENGER	A																																
IND		CHANDRAYAAN-2	A																																
USA		CICERO	A																																
LUX		CLEOSAT	C																																
CHN		CMARS-1	A																																
SNG		COLUGO	A																																
CAN		COMMSTELLATION	C																																
CHN		COMPASS-IGSO	C																																
CHN		COMPASS-MEO	C																																
CHN		COMPASS-MEO	N																																

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88		
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USA		COSMIC-2	C																																
D		COURIER-3	C																																
D		CUBEL	A																																
USA		CUCU	A																																
USA		CUPID	A																																
CHN		DES-LEO	C																																
HOL		DREBBELSAT	C																																
F		EB-SAT-LEO-1	C																																
F		EB-SAT-LEO-1B	C																																
G		EN-C	C																																
USA		EOS PM	N																																
F		ES-SAT-2	C																																
CAN		EV9	C																																
UAE		FALAK-1	C																																
CHN		FORTTRAN	C																																
CHN		FORTTRAN-2	C																																
F		F-SAT-NG-7	A																																
F		F-SAT-NG-8	A																																
F	GLS	GALILEO-2	C																																
J		GCOM-W1	N																																
RUS		GEO-1K-2	A																																
RUS		GEO-1K-2	N																																
RUS		GLONASS	N																																
RUS		GLONASS-M	A																																
RUS		GLONASS-M	N																																
RUS		GLORES	C																																
RUS		GONETS	N																																
RUS		GONETS-M	N																																
J		GRUS	A																																
USA		HIBLEO-2	C																																
USA		HIBLEO-2	N																																
USA		HIBLEO-2FL	N																																
USA		HIBLEO-2FL2	C																																
USA		HIBLEO-2FL2	N																																
USA		HIBLEO-4	N																																
USA		HIBLEO-4FL	N																																
USA		HIBLEO-5FL-2	N																																
F		HIBLEO-X	C																																
F		HIBLEO-X	N																																
HOL		HOL-MG-A006	C																																
HOL		HOL-MG-ANS-001	A																																
HOL		HOL-MG-ANS-002	A																																
HOL		HOL-MG-ANS-002	N																																
USA		HSAT	A																																

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CHN		HY-2	N																																			
CHN		HY-2N	A																																			
G		ICO-P	N																																			
RUS	IK	IK-NGSO-A10K-1	C																																			
RUS	IK	IK-NGSO-A10K-2	C																																			
USA		INCA	A																																			
IND		INSAT-NAV-GS17	C																																			
IND		INSAT-NAVR-GS	C																																			
USA		INSIGHT	A																																			
USA		INSIGHT	N																																			
HOL		IPS	A																																			
HOL		IPS	N																																			
USA		ISS-CUCU	A																																			
USA		ISS-CUCU	N																																			
F		JASON2	N																																			
F		JASON3	A																																			
F		JASON3	N																																			
CHN		JUVENILE-OFO	C																																			
CAN		KELYPSIS	A																																			
CAN		KELYPSIS	C																																			
S		KIRUNA ROCKET	N																																			
RUS		KOSPAS	N																																			
CHN		KS-2	A																																			
G		L5	C																																			
ARG		LATINSAT	N																																			
USA		LEMUR-2	A																																			
USA		LEMUR-2	N																																			
USA		LEMUR-2-3	A																																			
USA		LEOTELCOM-1	N																																			
USA		LEOTELCOM-3	N																																			
IND		LMI	A																																			
USA		LUNAR ICECUBE	A																																			
CHN		LUOJIA-1A	C																																			
LUX		LUX-N1-2	C																																			
LUX		LXS-AIS	N																																			
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USA		MAKERSAT-1	A																																			
CAN		MAPLELEAF-1	A																																			
CAN		MAPLELEAF-1	C																																			
USA		MARCO	A																																			
USA		MARS 2020	A																																			
USA		MCNAIR	A																																			
F		MCSAT LEO	C																																			

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88			
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F		MCSAT-2 LEO-2	C																																	
F		MCSAT-2 MEO-1	C																																	
F		MCSAT-2 MEO-2	C																																	
CHN		MCSCS	C																																	
G		METHERA-A	C																																	
PNG		MICRONSAT	A																																	
PNG		MICRONSAT	C																																	
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LUX		MINAS	C																																	
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USA		MRO	N																																	
USA		MSL	N																																	
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CAN		MULTUS	C																																	
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USA		NOAA-KLM	N																																	
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USA		NPOESS	A																																	
ISR		NSL-1	C																																	
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G		O3B-B	N																																	
G		O3B-C	C																																	
CHN		OKSAT	C																																	
PNG		OMNISPACE F2	C																																	
USA		OSTM	A																																	
E		PAZ	C																																	
BEL		PICASSO-BEL	A																																	
S		PRISMA	N																																	
RUS		PROGNOZ-N	C																																	
CHN		QXSI-LOW-ORBITAL-EX-	C																																	
J		QZSS-1	N																																	
CAN		RADARSAT-2C	N																																	
USA		RAINCUBE	A																																	
USA		RAVAN	A																																	
USA		RED-EYE	A																																	
IND		RISAT	A																																	
IND		RS-D2	N																																	
SUI		S4P	A																																	
SUI		S4P	N																																	

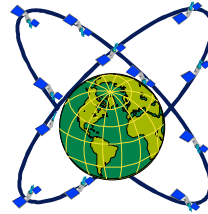


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USA		SAR	N																															
ARS		SAUDISAT-1C	N																															
ARS		SAUDISAT-2	N																															
USA		USASAT-NGSO-3A-R	C																															
USA		USASAT-NGSO-3B-R	C																															
USA		USASAT-NGSO-3C	C																															
USA		USASAT-NGSO-3D	C																															
USA		USASAT-NGSO-3E	C																															
USA		USASAT-NGSO-3F	C																															
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USA		USASAT-NGSO-6	C																															
USA		USCSID-P	N																															
USA		USOCEAN	A																															
USA		UST4WP	C																															
B		VCUB1	A																															
CAN		VGEO-1	C																															
CHN		XINGYUN	C																															
CHN		XINGYUN-2	C																															
AFS		ZACUBE-2	A																															
CHN		ZDWT-1	C																															
F		ZIP	C																															
NOR		SE-6-HEO-1	C																															
NOR		SE-6-HEO-1A	C																															
USA		SEAHAWK	A																															
RUS		SELENA	N																															
IND		SEO BHASKARA-1	N																															
IND		SEO BHASKARA-2	N																															
CHN		SIGNSAT-NGSO	C																															
BEL		SIMBA	C																															
AUS		SIRION-1	C																															
SLM		SI-SAT-BILIKIKI	C																															
SLM		SI-SAT-KURUKURU	C																															
RUS		SKY-F	C																															
CHN		SPACEWAY	C																															
J		SPATIUM	A																															
J		SPATIUM	C																															
IND		SSROSS-1	N																															
G		SSG-CSL	C																															
NOR		STEAM-1	C																															
NOR		STEAM-2	C																															
NOR		STEAM-2B	C																															
F		SWOT	A																															
F		SWOT	N																															
USA		THEA	A																															

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G		THEME	C																																
G		THEO	C																																
MEX		THUMBSAT-1	C																																
CHN		TXIN	C																																
DNK		ULLORIAQ	C																																
USA		USASAT-28C	N																																
USA		USASAT-NGSO-2	C																																



SECTION A6

LISTE DES RÉSEAUX SPATIAUX NON-GÉOSTATIONNAIRES POUR LESQUELS DES RENSEIGNEMENTS ONT ÉTÉ COMMUNIQUÉS EN APPLICATION DES DISPOSITIONS DE L'ARTICLE 9 (NUMÉRO 9.11)/RÉSOLUTION 33 ET/OU DE L'ARTICLE 11 DU RÈGLEMENT DES RADIOCOMMUNICATIONS

A6 节

根据《无线电规则》第9条(第9.11款)/第33号决议和/或第11条的规定,已通报了相关信息的非对地静止空间网络的清单

SECTION A6

LIST OF NON-GEOSTATIONARY SPACE NETWORKS FOR WHICH INFORMATION HAS BEEN COMMUNICATED IN APPLICATION OF THE PROVISIONS OF ARTICLE 9 (No. 9.11)/RESOLUTION 33 AND/OR ARTICLE 11 OF THE RADIO REGULATIONS

РАЗДЕЛ А6

СПИСОК НЕГЕОСТАЦИОНАРНЫХ КОСМИЧЕСКИХ СЕТЕЙ, СВЕДЕНИЯ ПО КОТОРЫМ БЫЛИ СООБЩЕНЫ В ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ СТАТЬИ 9 (П. 9.11)/РЕЗОЛЮЦИИ 33 И/ИЛИ СТАТЬИ 11 РЕГЛАМЕНТА РАДИОСВЯЗИ

SECCIÓN A6

LISTA DE REDES ESPACIALES NO-GEOESTACIONARIAS SOBRE LAS CUALES SE HA COMUNICADO INFORMACIÓN EN APLICACIÓN DE LAS DISPOSICIONES DEL ARTÍCULO 9 (NÚMERO 9.11)/RESOLUCIÓN 33 Y/O DEL ARTÍCULO 11 DEL REGLAMENTO DE RADIOCOMUNICACIONES

القسم A6

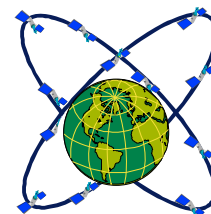
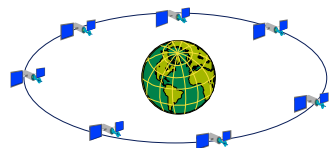
قائمة الشبكات الفضائية غير المستقرة بالنسبة إلى الأرض التي تم إرسال معلومات خاصة بها تطبيقاً لأحكام المادة 9 (الرقم 11.9)/القرار 33 و/أو المادة 11 من لوائح الراديو

Section/Sección / # / Раздел / A6 القسم - SNL: 11/03/2019

Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88				
				2	5	8	11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89				
				3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-				
LIE		3ECOM-2	A																																		
LIE		3ECOM-3	A																																		
CHN		ACONNECT	A																																		
CHN		ACONNECT-T	A																																		
CYP		ANDROMEDA-A	A																																		
NZL		APOG	A																																		
F		AST-NG-NC-1	A																																		
F		AST-NG-NC-1	N																																		
F		AST-NG-NC-QV	A																																		
CAN		CANSAT-LEO-V	A																																		
HOL		DREBBELSAT-1	A																																		
G		EDEN	A																																		
G		EN-A2	A																																		
CHN		GALAXY-1	A																																		
RUS	IK	IK-NGSO-A10K-1	A																																		
I		ISS - ARISS	A																																		
I		ISS - ARISS	N																																		
F		JFDSAT-LEO-A-QV	A																																		
F		JFDSAT-LEO-A-QV	N																																		
F		JFDSAT-LEO-B-QV	A																																		
F		JFDSAT-LEO-B-QV	N																																		
F		JFDSAT-LEO-C-QV	A																																		
F		JFDSAT-LEO-C-QV	N																																		
F		JFDSAT-MEO-D-QV	A																																		
F		JFDSAT-MEO-D-QV	N																																		
CYP		KYPROS-NGSO-1	A																																		
CYP		KYPROS-NGSO-1	N																																		
CYP		KYPROS-NGSO-2	A																																		
CYP		KYPROS-NGSO-3	A																																		
LUX		LUX-N1-3	A																																		
CAN		MAPLELEAF-1	A																																		
RUS		METEOR-3M	N																																		
G		METHERA-B	A																																		
PNG		MICRONSAT	A																																		
G		O3B-D	A																																		
CHN		SIGNSAT-NGSO	A																																		
SLM		SI-SAT-BILIKIKI	C																																		
G		SPACENET-IOM	A																																		
CHN		SPACEWAY	A																																		
F		STRIPE	A																																		
USA		USASAT-28C	N																																		
USA		USASAT-NGSO-2	A																																		
USA		USASAT-NGSO-3G	A																																		
USA		USASAT-NGSO-3H	A																																		

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Adm	Ntwk_org	Sat_name	Ntf_rsn	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82	85	88	
				2	5	8	11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	
				3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	-	
USA		USASAT-NGSO-3I	A																															
USA		USASAT-NGSO-3J	A																															
USA		USASAT-NGSO-3K	A																															
USA		USASAT-NGSO-3L	A																															
USA		USASAT-NGSO-4D	A																															
USA		USASAT-NGSO-5	A																															
F		VALVE	A																															
G		VANGUARD	A																															
G		VERA	A																															



SECTION A7

LISTE DE NOTIFICATIONS DE STATIONS
TERRIENNES POUR LESQUELLES LES
RENSEIGNEMENTS ONT ÉTÉ COMMUNIQUÉS EN
APPLICATION DES DISPOSITIONS DE
L'ARTICLE 11 DU RÈGLEMENT DES
RADIOCOMMUNICATIONS

A7 节

根据《无线电规则》第 11 条的规定，已通报
了相关信息的地球站的通知清单

SECTION A7

LIST OF NOTIFICATIONS OF EARTH STATIONS
FOR WHICH INFORMATION HAS BEEN
COMMUNICATED IN APPLICATION OF THE
PROVISIONS OF ARTICLE 11 OF THE RADIO
REGULATIONS

РАЗДЕЛ А7

СПИСОК ЗАЯВЛЕНИЙ ЗЕМНЫХ СТАНЦИЙ,
СВЕДЕНИЯ ПО КОТОРЫМ БЫЛИ СООБЩЕНЫ В
ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ СТАТЬИ 11
РЕГЛАМЕНТА РАДИОСВЯЗИ

SECCIÓN A7

LISTA DE NOTIFICACIONES DE ESTACIONES
TERRENAS SOBRE LAS CUALES SE HA
COMUNICADO INFORMACIÓN EN APLICACIÓN DE
LAS DISPOSICIONES DEL ARTÍCULO 11 DEL
REGLAMENTO DE RADIOCOMUNICACIONES

القسم A7

قائمة التبليغات عن المحطات الأرضية
التي تم إرسال معلومات خاصة بها تطبيقاً لأحكام
المادة 11 من لوائح الراديو

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
S		AAGESTA 1	S	EUTELSAT 1-3	7.00													24/08/1987	17/09/1984
S		AAGESTA 10	S	SIRIUS-2	4.80													20/11/1998	01/10/1997
S		AAGESTA 2	S	EUTELSAT-1	10.00													24/08/1987	04/05/1987
IRN		ABBASABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		ABEMO	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		ABOUMOUSA	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		ABOUZAR	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
AUS		ADELAIDE	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
YEM		ADEN	YEM	ARABSAT 1-B	26.00													09/12/1983	19/06/1985
AUT		AFLENZ	AUT	EUTELSAT-1	10.00													18/02/1985	01/07/1984
IND		AGARTALA	IND	INSAT-1B	74.00													08/05/1986	21/04/1986
IRN		AHMADIZEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IND		AHMEDABAD	IND	IRS-1B	NGSO													22/02/1988	31/03/1988
IND		AHMEDABAD	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		AHMEDABAD	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
IND		AHMEDABAD 2	IND	IRS-1B	NGSO													22/03/1988	31/12/1987
IND		AHMEDABAD-1	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		AHMEDABAD-1	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
IND		AHZWAL	IND	INSAT-1B	74.00													08/05/1986	21/04/1986
J		AKASAKA	J	APSTAR-4	76.50													15/10/1999	04/01/2000
J		AKASAKA2	J	ASIASAT-E	100.50													04/12/1998	01/10/1998
J		AKASAKA2	J	ASIASAT-E	100.50													26/04/1999	01/04/1999
OMA		AL HAJAR 3	OMA	ARABSAT 1-B	26.00													24/02/1987	30/10/1985
IRN		ALIABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
CAN		ALLAN PARK E-A	CAN	ANIK E-A	-107.30													07/04/1993	19/04/1993
CAN		ALLAN PARK E-A	CAN	ANIK E-A	-107.30													07/04/1993	19/04/1993
CAN		ALLAN PARK E-B	CAN	ANIK E-B	-111.10													07/04/1993	19/04/1993
CAN		ALLAN PARK E-B	CAN	ANIK E-B	-111.10													07/04/1993	19/04/1993
E		ALMERIA 2	E	INTELSAT6 325.5E	-34.50													03/11/1997	31/05/1998
B		ALTA FLORESTA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		ALTAMIRA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		AMAPA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
DJI		AMBOULI	DJI	ARABSAT 1-B	26.00													05/01/1984	25/06/1985
DJI		AMBOULI	DJI	ARABSAT 1-B	26.00													05/01/1984	26/02/1986
IND		AMINDIVI	IND	INSAT-1D	83.00													02/11/1988	20/06/1990
IND		AMINDIVI	IND	INSAT-2(83)	83.00													14/02/1990	30/07/1993
IND		AMINDIVI	IND	INSAT-2(93.5)	93.50													14/02/1990	07/01/1994
IND		AMINDIVI 1	IND	INSAT-2(83)	83.00													14/02/1990	30/07/1993
IND		AMINDIVI 1	IND	INSAT-2(93.5)	93.50													14/02/1990	07/01/1994
IND		AMINDIVI I	IND	INSAT-1B	74.00													13/10/1977	15/10/1980
IND		AMINIDIVI	IND	INSAT-1C	93.50													09/10/1986	29/07/1988
IRN		AMIRABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
TUR		ANADOLU	TUR	EUTELSAT 2-7E	7.00													16/11/1993	01/12/1993
RUS		ANADYR/KROSNA-MB	RUS	STATSIONAR-7	140.00													21/01/2000	01/01/1998
USA		ANDERSEN	GUM	CRRES	NGSO													16/11/1989	15/07/1990

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
USA		ANDERSEN	GUM	SPACE SHUTTLE	NGSO													01/04/1986	22/12/1983
USA		ANDERSEN 1	GUM	CRRES	NGSO													16/11/1989	15/07/1990
USA		ANDERSEN 1	GUM	SPACE SHUTTLE	NGSO													01/04/1986	22/12/1983
USA		ANDERSEN 1	GUM	USGCSS PH3 W PAC	175.00													01/10/1993	19/09/1992
USA		ANDERSEN 2	GUM	CRRES	NGSO													16/11/1989	15/07/1990
USA		ANDERSEN 2	GUM	USGCSS PH3 W PAC	175.00													01/10/1993	19/09/1992
USA		ANDERSEN 3	GUM	CRRES	NGSO													16/11/1989	15/07/1990
IRN		ANGOUHRAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		ANJIRAN	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
MDA		APRIORI	MDA	INTELSAT7 359E	-1.00													20/10/1998	01/06/1997
B		ARACAJU RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		ARACAJU RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		ARAGUAINA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
G		ARCH ROWAN	G	EUTELSAT 2-10E	10.00													22/06/1992	14/03/1992
G		ARCH ROWAN	G	EUTELSAT 2-10E	10.00													22/06/1992	14/03/1992
IRN		ARG	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
INS		ARGAMAMUR	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		ARGAMAMUR	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
E		ARGANDA	E	HISPASAT-1	-30.00													29/01/1996	30/04/1996
E		ARGANDA IOT-FSS	E	HISPASAT-1	-30.00													10/03/1994	01/09/1992
E		ARGANDA TTC-1	E	HISPASAT-1	-30.00													23/07/1992	01/11/1992
E		ARGANDA TTC-2	E	HISPASAT-1	-30.00													23/07/1992	01/11/1992
E		ARGANDA TTC-3	E	HISPASAT-1	-30.00													23/07/1992	01/11/1992
E		ARGANDA TTC-6	E	HISPASAT-1	-30.00													23/07/1992	01/11/1992
B		ARIPUANA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		ARKHANGELSK	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
RUS		ARKHANGHELSK	RUS	KOSPAS	NGSO													04/08/1981	31/12/1982
IND		ARKUJA	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
ARG		ARTEAR 2	ARG	INTELSAT7 307E	-53.00													01/09/1998	01/09/1996
KOR		ASAN 1A	KOR	INTELSAT5 PAC3	180.00													18/04/1991	01/09/1992
KOR		ASAN 2A	KOR	INTELSAT5 INDOC4	66.00													18/04/1991	01/09/1992
IRN		ASHAR	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
IRN		ASKALSOFLA	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
ETH		ASMARA	ETH	INTELSAT5 INDOC4	66.00													07/10/1988	15/10/1988
RUS		ASTRAHAN RUSTEL	RUS	INTELSAT6 60E	60.00													28/10/1998	01/01/1997
RUS		ASTRAHAN/AST-01 F2	RUS	INTELSAT7 66E	66.00													25/05/1999	01/07/1997
RUS		ASTRAKHAN/SBS-A	RUS	INTELSAT6 60E	60.00													29/02/2000	01/06/1998
E		ATCA 1	E	HISPASAT-1	-30.00													20/10/1997	31/05/1998
USA		ATLANTA GA	USA	ASC-1	-128.00													25/04/1988	26/10/1985
F		AUSSAGUEL ISSUS	F	SPOT-1	NGSO													13/01/1986	23/02/1986
IRN		AVIHANG	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		BABA AHMADI	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
INS		BAGANSIPIAPI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		BAGANSIPIAPI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
MEX		BAHIA DE TORTUGAS BC	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
MEX		BAHIA DE TORTUGAS BC	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
IRN		BAHMANABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		BAHUKLAT	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
KOR		BAKRUNGDO 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		BAKRUNGDO 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		BAKRUNGDO 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		BAKRUNGDO 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		BAKRUNGDO 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		BAKRUNGDO 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
ARG		BAL-03B	ARG	INTELSAT7 307E	-53.00													04/01/1999	01/05/1982
G		BALADO BRIDGE	G	SATCOM PHASE-3	-18.00													16/12/1981	29/09/1984
G		BALMORAL 1	G	EUTELSAT 1-3	7.00													27/03/1986	01/01/1986
B		BALSAS	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IND		BAMBOLIM	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
IND		BAMBOLIM	IND	INSAT-1C	93.50													09/10/1986	29/07/1988
IND		BAMBOLIN	IND	INSAT-1D	83.00													02/11/1988	20/06/1990
IND		BAMBOLIN	IND	INSAT-2 (83)	83.00													14/02/1990	30/07/1993
IND		BAMBOLIN	IND	INSAT-2 (93.5)	93.50													14/02/1990	07/01/1994
INS		BANDA ACEH	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		BANDA ACEH	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		BANDA ACEH	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
IRN		BANDAR ABBAS	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
JOR		BAQA	JOR	ARABSAT 1-B	26.00													04/10/1983	19/06/1985
E		BARCELONA 12	E	INTELSAT6 325.5E	-34.50													03/11/1997	31/05/1998
E		BARCELONA 13	E	EUTELSAT 2-10E	10.00													11/11/1996	31/01/1997
E		BARCELONA 14	E	INTELSAT6 325.5E	-34.50													29/06/1998	30/09/1998
E		BARCELONA 16	E	INTELSAT6 325.5E	-34.50													29/06/1998	30/09/1998
E		BARCELONA 9	E	EUTELSAT 2-10E	10.00													14/01/1994	30/01/1994
E		BARCELONA 9	E	EUTELSAT 2-13E	13.00													14/01/1994	30/01/1994
E		BARCELONA 9	E	EUTELSAT 2-16E	16.00													14/01/1994	30/01/1994
E		BARCELONA 9	E	EUTELSAT 2-36E	36.00													14/01/1994	30/01/1994
B		BARCELOS	B	SBTS A1	-70.00													13/11/1984	19/05/1986
I		BARI PALESE	I	KOSPAS	NGSO													19/01/1993	30/06/1994
I		BARI PALESE	I	SAR	NGSO													19/01/1993	30/06/1994
IRN		BASMAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		BASTAM	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
INS		BAU-BAU	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		BAU-BAU	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
B		BAURU RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
CHN		BEIJING	CHN	STW-1	125.00													21/10/1983	17/04/1984
CHN		BEIJING-0.5M (KU)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
CHN		BEIJING-1.2M (KU)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
CHN		BEIJINGI-2.4M (C)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
MOZ		BEIRA	MOZ	INTELSAT5 INDOC4	66.00													24/01/1990	11/08/1986
MOZ		BEIRA	MOZ	INTELSAT5 INDOC4	66.00													24/01/1990	11/08/1986

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
B		BELEM	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		BELEM RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		BELEM RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		BELGOROD/RUSTEL	RUS	INTELSAT6 60E	60.00													15/10/1999	01/01/1997
RUS		BELGOROD/SATNET	RUS	INTELSAT6 60E	60.00													28/03/2000	01/01/1999
USA		BELLEVILLE IL	USA	SAR	NGSO													08/07/1981	01/05/1983
B		BELO HORIZONTE RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		BELO HORIZONTE RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
INS		BENGKALIS	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		BENGKALIS	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
E		BENICASIM	E	HISPASAT-1	-30.00													14/05/1996	30/07/1996
IRN		BENT	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
E		BERMEJA 1	E	HISPASAT-1	-30.00													23/10/1992	01/08/1992
E		BERMEJA 1	E	HISPASAT-1	-30.00													01/10/1993	01/08/1992
IRN		BEST	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
IRN		BEYANDARREH	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
INS		BHAYANG KARA	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		BHAYANG KARA	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		BHAYANGKARA	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
E		BILBAO	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
INS		BINTUHAN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		BINTUHAN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		BISARAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
SNG		BKT 5V	SNG	PALAPA-B2	113.00													08/02/1993	31/05/1992
RUS		BLAGOVESH/SBERKOM T	RUS	EXPRESS-6	80.00													14/06/1999	01/06/1998
INS		BLANGPIDI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		BLANGPIDI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
B		BOA VISTA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		BOCA DO ACRE	B	SBTS A1	-70.00													13/11/1984	01/02/1986
KOR		BOEUN 2A	KOR	INTELSAT7 66E	66.00													26/08/1996	01/09/1996
B		BOM JESUS	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		BORBA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IRN		BORJAHMADI	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		BOUSHEHR	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
G		BRAE B	G	EUTELSAT 2-10E	10.00													21/06/1993	01/04/1992
B		BRASILIA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		BRASILIA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
SVK		BRATISLAVA 1	SVK	EUTELSAT 2-7E	7.00													03/08/1994	01/07/1994
G		BRECHIN 1	G	EUTELSAT 2-10E	10.00													09/07/1991	01/05/1991
AUT		BREGENZ	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
B		BREJO	B	SBTS A1	-70.00													13/11/1984	19/05/1986
AUS		BRISBANE QLD	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
G		BRUCE PLATFORM	G	EUTELSAT 2-10E	10.00													11/06/1992	23/07/1991
BUL		BUL BSH 02A	BUL	INTELSAT6 60E	60.00													07/08/1998	01/08/1997
BUL		BUL SOF 005	BUL	EUTELSAT 2-7E	7.00													21/10/1997	20/10/1997

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IRN		BUMEHEN	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
AUS		BUNDABERG LUT	AUS	KOSPAS	NGSO													11/10/1996	01/10/1996
AUS		BUNDABERG LUT	AUS	SAR	NGSO													11/10/1996	01/10/1996
INS		BUNTOK	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		BUNTOK	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
E		BURGOS	E	EUTELSAT 1-3	7.00													03/10/1988	01/10/1988
E		BURGOS 1	E	INTELSAT6 325.5E	-34.50													11/07/1997	26/11/1999
E		BURGOS 2	E	INTELSAT6 325.5E	-34.50													03/11/1997	31/05/1998
HOL		BURUM 6 E3	HOL	EUTELSAT 2-7E	7.00													03/12/1997	01/03/1988
B		CABI XI	B	SBTS A1	-70.00													13/11/1984	01/02/1986
G		CAISTER OIL PLATFORM	G	EUTELSAT 2-7E	7.00													24/07/1992	01/07/1993
IND		CALCUTTA	IND	INSAT-1B	74.00													08/05/1986	21/04/1986
B		CAMPINAS ITAU	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		CAMPO GRANDE	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		CAMPO GRANDE RGT	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		CAMPOS RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		CANARANA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
USA		CANAVERAL FL	USA	NAVSTAR GPS	NGSO													14/02/1992	30/06/1986
AUS		CANBERRA	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
AUS		CANBERRA ACT DSS45	AUS	MARS GLOBAL SURVEYOR	NGSO													03/01/1997	03/11/1996
AUS		CANBERRA ACT DSS45	AUS	VOYAGER-1	NGSO													03/01/1997	05/09/1977
AUS		CANBERRA ACT DSS45	AUS	VOYAGER-2	NGSO													03/01/1997	20/08/1977
MEX		CANTAMAYEC YUC	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		CANTAMAYEC YUC	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
B		CARAUARI	B	SBTS A1	-70.00													13/11/1984	01/02/1986
CUB		CARIBE	CUB	MOLNIA-3	NGSO													24/09/1976	30/11/1975
USA		CARLSTADT NJ	USA	ASC-1	-128.00													25/04/1988	26/10/1985
IND		CARNICOBAR	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
IND		CARNICOBAR	IND	IRS-1B	NGSO													22/02/1988	30/08/1991
IND		CARNICOBAR	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		CARNICOBAR	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
IND		CARNICOBAR-1	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
B		CARREIRO	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		CASCAVEL RTB	B	SBTS A1	-70.00													13/11/1984	01/02/1986
USA		CASTLE ROCK COL	USA	USASAT-6A	-97.00													20/03/1986	01/01/1982
AUS		CAVE POINT LUT	AUS	KOSPAS	NGSO													11/10/1996	01/10/1996
AUS		CAVE POINT LUT	AUS	SAR	NGSO													11/10/1996	01/10/1996
F		CAYENNE	GUF	ARIANE	NGSO													05/12/1978	06/07/1979
F		CAYENNE	GUF	ARIANE	NGSO													05/12/1978	06/09/1979
MEX		CD VICTORIA RURAL	MEX	MORELOS 1	-113.50													13/08/1985	15/10/1985
MEX		CD VICTORIA RURAL	MEX	MORELOS 2	-116.80													13/08/1985	15/10/1985
USA		CHANDLER AZ	USA	ASC-1	-128.00													25/04/1988	26/10/1985
IRN		CHANF	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
NZL		CHATHAM I	NZL	INTELSAT5 PAC3	180.00													12/12/1989	01/06/1989
RUS		CHELABINSK TES/C-3.8	RUS	EXPRESS-6	80.00													09/08/2000	31/10/1999

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RUS		CHELYABINSK/JSC-10F1	RUS	INTELSAT7 66E	66.00													25/05/1999	01/07/1997
IRN		CHESHMIDAR	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
J		CHIBA IDC	J	INTELSAT5 PAC3	180.00													06/12/1988	27/04/1989
J		CHIBA ITJ	J	INTELSAT5 PAC3	180.00													06/12/1988	24/03/1989
MEX		CHIHUAHUA RURAL	MEX	MORELOS 1	-113.50													13/08/1985	15/10/1985
MEX		CHIHUAHUA RURAL	MEX	MORELOS 2	-116.80													13/08/1985	15/10/1985
KOR		CHINCHEON01	KOR	HIBLEO-2FL	NGSO													14/02/1997	01/09/1997
KOR		CHINCHEON02	KOR	HIBLEO-2FL	NGSO													14/02/1997	01/09/1997
IND		CHINGLEPUT	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
MDA		CHISINAU ONU	MDA	EUTELSAT 2-7E	7.00													12/02/1996	15/01/1995
MDA		CHISINAU TV	MDA	EUTELSAT 2-7E	7.00													05/05/1997	01/09/1994
MDA		CHISINAU-EBRD	MDA	EUTELSAT 2-10E	10.00													11/11/1999	01/02/1999
MDA		CHISINAU-MS	MDA	EUTELSAT 2-16E	16.00													11/11/1999	15/08/1998
KOR		CHUNGJU01	KOR	HIBLEO-2FL	NGSO													14/02/1997	01/09/1997
KOR		CHUNGJU02	KOR	HIBLEO-2FL	NGSO													14/02/1997	01/09/1997
CAN		CHURCHILL LEOLUT	CAN	KOSPAS	NGSO													29/10/1999	01/07/1985
CAN		CHURCHILL LEOLUT	CAN	SAR	NGSO													29/10/1999	01/07/1985
USA		CLARKSBURG MD	USA	USASAT-6A	-97.00													20/03/1986	01/01/1982
B		COARI	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		CODAJAS	B	SBTS A1	-70.00													13/11/1984	19/05/1986
CHL		COIHAIQUE	CHL	INTELSAT IBS 307E	-53.00													16/01/1989	03/09/1988
B		COLIDER	B	SBTS A1	-70.00													13/11/1984	19/05/1986
USA		COLORADO SPRINGS CO	USA	NAVSTAR GPS	NGSO													14/02/1992	30/06/1986
B		CORRENTE	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		CORUMBA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		CORUMBA RGT	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		COSTA MARQUES	B	SBTS A1	-70.00													13/11/1984	01/02/1986
KOR		CP HUMPHREYS TT2	KOR	USASAT-14G	169.00													10/10/2000	01/01/2000
AUS		CRIB POINT MET VIC	AUS	GMS-140E	140.00													06/04/1995	07/10/1992
B		CRICIUMA RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		CRUZEIRO DO SUL	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		CUIABA RGT	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		CURITIBA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		CURITIBA RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		D.LEDOVO SBERCOM-C	RUS	EXPRESS-6	80.00													14/04/1999	01/06/1998
RUS		D.LEDOVO SBS-C	RUS	INTELSAT6 60E	60.00													14/04/1999	01/06/1998
RUS		D.LEDOVO/STD-C	RUS	EXPRESS-6	80.00													25/05/2000	12/01/2000
INS		DABO SINGKEP	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		DABO SINGKEP	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		DALLGAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		DARBAND	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		DARPAHN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
AUS		DARWIN 1	AUS	PALAPA-B2	113.00													14/05/1993	05/02/1993
AUS		DARWIN 2	AUS	PALAPA-B2	113.00													14/05/1993	17/02/1993
AUS		DARWIN 2	AUS	PALAPA-B2	113.00													14/05/1993	17/02/1993

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
AUS		DARWIN NT	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
IRN		DASTJERD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		DEL	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
USA		DELUZ CAL	USA	COMSTAR D-2	-95.00													20/10/1978	23/07/1976
INS		DENDENGAN DALAM	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
INS		DENDENGANDALAM	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		DENDENGANDALAM	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
USA		DENVER CO	USA	ASC-1	-128.00													25/04/1988	26/10/1985
BEL		DGIA-BRUSSELS	BEL	INTELSAT7 342E	-18.00													25/04/2000	15/12/1999
TUN		DKHILA MATEUR 1	TUN	ARABSAT 1-B	26.00													07/08/1984	17/01/1985
TUN		DKHILA MATEUR-2	TUN	ARABSAT 1-B	26.00													08/09/1983	19/06/1985
LTU		DNK VIL 1	LTU	EUTELSAT 2-10E	10.00													08/11/1994	15/02/1993
B		DOIS IRMAOS	B	SBTS A1	-70.00													13/11/1984	19/05/1986
KOR		DONGHAE 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		DONGHAE 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		DONGHAE 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		DONGHAE 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		DONGHAE 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		DONGHAE 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		DONGSONG 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		DONGSONG 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		DONGSONG 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		DONGSONG 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		DONGSONG 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		DONGSONG 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
IRN		DOOLAB	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		DORZESAYEBAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
B		DOURADOS RTB	B	SBTS A1	-70.00													13/11/1984	01/02/1986
RUS		DUBNA 1	RUS	LOUTCH-3	90.00													08/12/1987	30/11/1982
RUS		DUDINKA	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
E		E AVC 1	E	HISPASAT-1	-30.00													13/10/1993	30/11/1993
E		E AVC 2	E	HISPASAT-1	-30.00													13/10/1993	30/11/1993
E		E AVC 3	E	HISPASAT-1	-30.00													13/10/1993	30/11/1993
E		E VAA 897V	E	EUTELSAT 2-7E	7.00													06/03/1995	31/05/1995
IRN		EBRAHIMABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
CAN		EDMONTON LEOLUT	CAN	KOSPAS	NGSO													29/10/1999	01/07/1985
CAN		EDMONTON LEOLUT	CAN	SAR	NGSO													29/10/1999	01/07/1985
RUS		EGVENKINOT/KROSNA-MA	RUS	STATSIONAR-7	140.00													21/01/2000	01/01/1998
B		EIRUNEPE	B	SBTS A1	-70.00													13/11/1984	01/02/1986
IRN		EISAABAD	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
RUS		EKATERIN/SCPC ROMANT	RUS	INTELSAT7 57E	57.00													28/10/1998	01/07/1997
MEX		EL PORVENIR CHIS	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		EL PORVENIR CHIS	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
E		ELCHE	E	EUTELSAT 1-3	7.00													06/11/1992	31/01/1993
INS		ENREKANG	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983

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INS		ENREKANG	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
DNK		ESBJERG 01G	DNK	INTELSAT6 325.5E	-34.50													10/07/1997	01/11/1994
IRN		ESFAHAN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		ESFAHAN 1	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
IRN		ESFANDAK	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
S		ESRANGE KIRUNA	S	TELE-X	5.00													27/01/1988	01/01/1989
S		ESSNET 1	S	EUTELSAT 2-7E	7.00													02/01/1995	15/08/1994
S		ESSNET 1	S	EUTELSAT 2-7E	7.00													02/01/1995	15/08/1994
IRN		ESSPAKEH	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
EST		EST TLN ETV1	EST	EUTELSAT 2-7E	7.00													05/12/1995	01/06/1996
EST		ESTONIA-PST3-TLN-SAT	EST	EUTELSAT 2-7E	7.00													21/12/1999	11/01/2000
E		EUTEUEL2-7E CNR	E	EUTELSAT 2-7E	7.00													13/03/2000	30/06/2000
E		EUTEUEL2-7E E1	E	EUTELSAT 2-7E	7.00													13/03/2000	30/06/2000
E		EUTEUEL2-7E E2	E	EUTELSAT 2-7E	7.00													13/03/2000	30/06/2000
E		EUTEUEL2-7E E2	E	EUTELSAT 2-7E	7.00													13/03/2000	30/06/2000
E		EUTEUEL2-7E E3	E	EUTELSAT 2-7E	7.00													13/03/2000	30/06/2000
ARG		ETM COSTANERA 11 NEC	ARG	INTELSAT7 307E	-53.00													01/09/1998	01/07/1996
E		ETT 1	E	EUTELSAT-1	10.00													20/12/1988	01/01/1989
E		ETT-1	E	EUTELSAT-1	10.00													18/03/1988	15/06/1988
E		ETTINTEL-K1	E	INTELSAT K 338.5E	-21.50													20/09/1999	30/03/2000
E		ETTINTEL-K2	E	INTELSAT K 338.5E	-21.50													20/09/1999	30/03/2000
E		ETTINTEL-K3	E	INTELSAT K 338.5E	-21.50													20/09/1999	30/03/2000
D		EUSKIRCHEN	D	SATCOM PHASE-3	-18.00													10/12/1981	31/03/1984
D		EUSKIRCHEN	D	SATCOM PHASE-3	-18.00													12/12/1986	15/07/1984
USA		FAIRBANKS	ALS	ERS-1	NGSO													22/03/1994	01/08/1991
USA		FAIRBANKS	ALS	IMP-J	NGSO													11/12/1972	23/10/1973
USA		FAIRBANKS 1	ALS	IMP-J	NGSO													11/12/1972	23/10/1973
USA		FAIRBANKS 3	ALS	LANDSAT-4	NGSO													18/10/1988	16/07/1982
USA		FAIRBANKS ALASKA	ALS	RADARSAT-1A	NGSO													30/01/1996	03/11/1995
USA		FAIRMONT WV	USA	MICROLAB-1	NGSO													01/12/1994	03/04/1995
IRN		FAIZABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		FANNOOJ	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		FAREGHAN	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
USA		FARMINGDALE NY	USA	ASC-1	-128.00													25/04/1988	26/10/1985
IRN		FARSI ISLAND	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		FAZLABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
B		FERNANDO DE NORONHA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
FIN		FIN HKI 1	FIN	EUTELSAT 1-3	7.00													26/09/1986	01/06/1986
USA		FINEGAYAN	GUM	FLTSATCOM W PAC	172.00													01/06/1976	03/11/1980
USA		FINEGAYAN	GUM	INTELSAT5 PAC3	180.00													07/11/1984	31/12/1984
USA		FINEGAYAN 1	GUM	FLTSATCOM W PAC	172.00													19/11/1976	03/11/1980
B		FLORIANOPOLIS RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		FLORIANOPOLIS RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		FONTE BOA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
IRN		FOROOZAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989

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B		FORTALEZA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		FORTALEZA RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
E		FREGENAL DE SIERRA	E	HISPASAT-1	-30.00													14/05/1996	30/07/1996
KGZ		FRUNZE	KGZ	STATSIONAR-1	80.00													03/02/1969	01/12/1970
I		FUCINO	I	EUTELSAT 1-3	7.00													09/09/1986	01/10/1984
I		FUCINO	I	INMARSAT-2 AOR EAST	-15.50													03/01/1990	10/03/1991
I		FUCINO	I	INMARSAT-2 IOR 1	64.50													03/01/1990	20/11/1990
I		FUCINO	I	INTELSAT6 335.5E	-24.50													24/06/1992	01/10/1990
D		FUERSTENWALDE	D	MOLNIA-3	NGSO													05/05/1976	29/04/1976
D		FUERSTENWALDE	D	STATSIONAR-4A	-14.00													22/05/1980	11/07/1979
D		FUERSTENWALDE	D	STATSIONAR-4A	-14.00													22/05/1980	01/10/1979
D		FUERSTENWALDE	D	STATSIONAR-4A	-14.00													22/05/1980	01/06/1981
J		FUKUOKA 10	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 10	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		FUKUOKA 10	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 10	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		FUKUOKA 11	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 11	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		FUKUOKA 11	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 11	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		FUKUOKA 12	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 12	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		FUKUOKA 12	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 12	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		FUKUOKA 13	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 13	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		FUKUOKA 13	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 13	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		FUKUOKA 14	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 14	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		FUKUOKA 14	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 14	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		FUKUOKA 15	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 15	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		FUKUOKA 15	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 15	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		FUKUOKA 16	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 16	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 17	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 17	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 18	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		FUKUOKA 18	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		FUKUOKA 6	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		FUKUOKA 6	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		FUKUOKA 7	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989

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J		FUKUOKA 7	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		FUKUOKA 8	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		FUKUOKA 8	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		FUKUOKA 9	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		FUKUOKA 9	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		FUKUOKA 9	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		FUKUOKA 9	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		FUKUOKA A	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		FUKUOKA A	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		FUKUOKA B	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		FUKUOKA B	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		FUKUOKA C1	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		FUKUOKA C1	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		FUKUOKA C2	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		FUKUOKA C2	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		FUKUOKA D	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		FUKUOKA D	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		FUKUOKA KU 1.2M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		FUKUOKA KU 5M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		FUKUOKA (IOR)	J	INTELSAT6 60E	60.00													10/02/1997	11/01/1996
J		FUKUOKA (POR)	J	INTELSAT7 177E	177.00													10/02/1997	11/01/1996
I		GALATINA	I	SPOT-1	NGSO													13/09/1991	03/05/1993
I		GALATINA	I	SPOT-2	NGSO													13/09/1991	03/05/1993
I		GALATINA	I	SPOT-3	NGSO													13/09/1991	16/08/1994
I		GALATINA	I	SPOT-4	NGSO													13/09/1991	31/07/1996
I		GALATINA	I	SPOT-5	NGSO													13/09/1991	31/07/1996
I		GALATINA	I	SPOT-6	NGSO													13/09/1991	31/07/1996
IRN		GALEHNAHUY	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
G		GALVESTON KEY	G	EUTELSAT 2-10E	10.00													24/04/1992	24/04/1992
G		GALVESTON KEY	G	EUTELSAT 2-10E	10.00													24/04/1992	24/04/1992
IND		GANGAPATNA	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
CAN		GATINEAU 1	CAN	RADARSAT-1A	NGSO													09/10/1995	18/10/1995
IRN		GENAVEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
KOR		GEOJEDO 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		GEOJEDO 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		GEOJEDO 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		GEOJEDO 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		GEOJEDO 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		GEOJEDO 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
E		GERONA	E	EUTELSAT 1-3	7.00													06/11/1992	31/01/1993
KOR		GEUMSAN 1	KOR	INTELSAT5 PAC3	180.00													09/06/1987	04/02/1986
KOR		GEUMSAN 2	KOR	INTELSAT6 60E	60.00													03/08/1993	19/12/1985
IRN		GHALEHGANG	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
DNK		GLADSAXE	DNK	INTELSAT6 325.5E	-34.50													02/07/1999	01/01/1998
S		GLOBEN	S	TELE-X	5.00													05/06/1990	01/11/1989

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G		GLOMAR MORAY FIRTH	G	EUTELSAT 2-10E	10.00													01/06/1992	01/06/1992
S		GOETEBORG	S	EUTELSAT 1-3	7.00													28/11/1989	01/03/1990
B		GOIANIA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		GOIANIA RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		GOIATINS	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IRN		GOLAGAN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		GOLCHIDAR	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
USA		GOLDSTONE CA	USA	LANDSAT-4	NGSO													18/10/1988	16/07/1982
USA		GOLDSTONE CA DSS 12	USA	GEOTAIL	NGSO													13/12/1993	24/07/1992
USA		GOLDSTONE CA DSS 12	USA	ISTP WIND	NGSO													22/03/1994	01/11/1994
USA		GOLDSTONE CA DSS 16	USA	GEOTAIL	NGSO													13/12/1993	24/07/1992
USA		GOLDSTONE CA DSS 16	USA	ISTP WIND	NGSO													22/03/1994	01/11/1994
USA		GOLDSTONE CA DSS 16	USA	SAMPEX	NGSO													17/02/1993	03/07/1992
USA		GOLDSTONE CA DSS 16	USA	SPACE SHUTTLE	NGSO													29/04/1993	22/12/1983
USA		GOLDSTONE CA DSS 16	USA	SWAS	NGSO													16/08/1995	06/12/1998
USA		GOLDSTONE CA DSS 16	USA	XTE	NGSO													28/05/1996	31/12/1995
USA		GOLDSTONE CAL	USA	PIIONEER-10	NGSO													20/06/1978	04/03/1972
USA		GOLDSTONE CAL	USA	VOYAGER-1	NGSO													22/05/1979	05/09/1977
USA		GOLDSTONE CAL	USA	VOYAGER-2	NGSO													22/05/1979	20/08/1977
IRN		GOLKOUYEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
G		GOONHILLY 11	G	EUTELSAT 1-3	7.00													18/01/1993	01/09/1989
G		GOONHILLY 11	G	EUTELSAT-1	10.00													18/01/1993	01/08/1989
G		GOONHILLY 11	G	GDL-6	19.20													18/01/1993	01/11/1989
CAN		GOOSE BAY LEOLUT	CAN	KOSPAS	NGSO													29/10/1999	01/07/1985
CAN		GOOSE BAY LEOLUT	CAN	SAR	NGSO													29/10/1999	01/07/1985
AUT		GRAZ GRIES	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
AUT		GRAZ GRIES	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
USA		GREENBELT MD	USA	LANDSAT-4	NGSO													18/10/1988	16/07/1982
USA		GREENBELT MD	USA	SAR	NGSO													08/07/1981	01/05/1983
E		GUADALAJARA	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
E		GUADALAJARA 1	E	EUTELSAT 1-3	7.00													27/01/1992	01/04/1992
E		GUADALAJARA 13	E	EUTELSAT 2-7E	7.00													22/10/1997	31/05/1998
E		GUADALAJARA 15	E	HISPASAT-1	-30.00													17/06/1998	15/09/1998
MEX		GUADALAJARA JL	MEX	MORELOS 1	-113.50													08/07/1985	30/09/1985
MEX		GUADALAJARA JL	MEX	MORELOS 2	-116.80													08/07/1985	30/09/1985
MEX		GUADALAJARA RURAL	MEX	MORELOS 1	-113.50													13/08/1985	15/10/1985
MEX		GUADALAJARA RURAL	MEX	MORELOS 2	-116.80													13/08/1985	15/10/1985
B		GUAJARA MIRIM	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		GUARATIBA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IRN		GUATR	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IND		GULMARG	IND	SEO BHASKARA-1	NGSO													06/08/1979	31/05/1979
IND		GULMARG	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
INS		GUNUNG BELAH	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		GUNUNG BELAH	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		GUNUNG BELAH	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990

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B		GURUPI RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		GUS KHRUSTALNY 2	RUS	FOTON-2	80.00													15/06/1992	01/10/1994
RUS		GUS KHRUSTALNYI	RUS	CSDRN	95.00													06/03/1984	01/11/1985
RUS		GUS KHRUSTALNYI	RUS	PROGNOZ-1	-24.00													02/08/1984	01/06/1984
RUS		GUS KHRUSTALNYI	RUS	PROGNOZ-2	12.00													02/08/1984	20/01/1985
RUS		GUS KHRUSTALNYI	RUS	PROGNOZ-3	35.00													02/08/1984	10/04/1985
RUS		GUS KHRUSTALNYI	RUS	PROGNOZ-4	80.00													02/08/1984	30/01/1985
RUS		GUS KHRUSTALNYI	RUS	WSDRN	-16.00													06/03/1984	27/06/1986
RUS		GUS KHRUSTALNYI 1	RUS	CSSRD-2	77.00													13/11/1986	10/05/1994
RUS		GUS KHRUSTALNYI 1	RUS	STATIONAR-6	90.00													13/11/1987	09/01/1981
RUS		GUS KHRUSTALNYI 1	RUS	STATIONAR-T	99.00													11/02/1976	26/10/1976
RUS		GUS KHRUSTALNYI 1	RUS	STATIONAR-T2	99.00													03/01/1985	30/09/1985
RUS		GUS KHRUSTALNYI 1	RUS	ZSSRD-2	-16.00													01/08/1989	20/04/1994
RUS		GUS KHRUSTALNYI 2	RUS	FOTON-1	-13.50													15/06/1992	01/10/1994
RUS		GUS KHRUSTALNYI 2	RUS	FOTON-1	-13.50													04/10/1994	01/10/1994
RUS		GUS KHRUSTALNYI 2	RUS	POTOK-1	-13.50													02/11/1984	30/04/1985
RUS		GUS KHRUSTALNYI 2	RUS	POTOK-2	80.00													30/05/1984	30/05/1984
RUS		GUS KHRUSTALNYI 2	RUS	STATIONAR-6	90.00													13/11/1987	09/01/1981
RUS		GUS KHRUSTALNYI 3	RUS	CSSRD-2	77.00													13/11/1986	10/05/1994
RUS		GUS KHRUSTALNYI 3	RUS	STATIONAR-6	90.00													02/03/1990	09/01/1981
CUB		HABANA 2	CUB	MOLNIA-3	NGSO													08/07/1988	01/12/1985
RUS		HABAROVSK KROSNA MC	RUS	STATIONAR-7	140.00													19/10/1998	01/01/1997
RUS		HABAROVSK/KROSNA-MB	RUS	STATIONAR-21	103.00													24/09/1999	01/01/1998
RUS		HABAROVSK/SBERKOM-T	RUS	EXPRESS-6	80.00													14/06/1999	01/06/1998
RUS		HABAROVSK/ST-F1	RUS	STATIONAR-14	96.50													25/05/2000	01/01/1998
J		HACHIOJI	J	ASIASAT-E	100.50													24/06/1999	01/06/1999
CHN		HAERBING-1.2M(KU)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
CHN		HAERBING-2.4M(C)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
IRN		HAIABAD	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		HAMZEHABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
USA		HANSCOM MASS	USA	GOES EAST	-75.00													03/04/1979	01/07/1977
USA		HANSCOM MASS	USA	GOES WEST	-135.00													03/04/1979	01/07/1977
RUS		HARYAGINSKIY/SATNET	RUS	INTELSAT6 60E	60.00													13/09/1999	01/01/1999
IRN		HASANABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IND		HASSAN	IND	INSAT-1B	74.00													13/10/1977	15/04/1982
IND		HASSAN	IND	INSAT-1B	74.00													13/10/1977	01/12/1984
IND		HASSAN	IND	INSAT-1C	93.50													09/10/1986	29/07/1988
IND		HASSAN	IND	INSAT-1D	83.00													02/11/1988	20/06/1990
IRN		HATKAN	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
J		HATYAMA	J	GMS-140E	140.00													16/01/1995	20/06/1995
J		HATYAMA	J	GMS-160E	160.00													18/04/1984	01/01/1982
USA		HAWLEY PA	USA	COMSTAR D-2	-95.00													20/10/1978	23/07/1976
USA		HENDERSONVILLE TN	USA	ASC-1	-128.00													25/04/1988	26/10/1985
MEX		HERMOSILLO SON	MEX	MORELOS 1	-113.50													08/07/1985	30/09/1985
MEX		HERMOSILLO SON	MEX	MORELOS 2	-116.80													08/07/1985	30/09/1985

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MEX		HERMOSILLO STD B	MEX	INTELSAT5 PAC3	180.00													03/06/1986	01/05/1986
IRN		HESARCHEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
USA		HICKAM	HWA	INTELSAT5 PAC3	180.00													05/11/1984	31/12/1984
E		HIETO 3G	E	INTELSAT6 335.5E	-24.50													28/04/2000	31/08/2000
E		HIETO2GJTC	E	INTELSAT6 335.5E	-24.50													27/10/1998	31/01/1999
E		HIETOJCC	E	INTELSAT6 335.5E	-24.50													03/11/1997	31/05/1998
S		HISINGS BACKA	S	TELE-X	5.00													05/06/1990	01/11/1989
CHN		HKLUT	HKG	KOSPAS	NGSO													19/05/1999	02/01/1990
CHN		HKLUT	CHN	SAR	NGSO													28/02/2000	02/01/1990
HOL		HLV 2	HOL	INTELSAT6 332.5E	-27.50													03/12/1997	01/10/1996
HOL		HLV 2	HOL	INTELSAT6 332.5E	-27.50													03/12/1997	01/10/1996
AUS		HOBART	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
S		HOLIDAY INN STHLM	S	INTELSAT6 335.5E	-24.50													15/12/1994	20/08/1993
USA		HONOLULU	HWA	GOES WEST	-135.00													19/07/1976	06/02/1975
IRN		HOSAINABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		HOSAINIEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
USA		HOUSTON TEXAS	USA	COMET	NGSO													20/07/1992	01/10/1994
HRV		HRV ZAG1	HRV	EUTELSAT 2-7E	7.00													09/10/1998	01/05/1990
HRV		HRV ZAG1	HRV	EUTELSAT 2-7E	7.00													09/10/1998	01/05/1990
B		HUMAITA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
IND		HYDERABAD	IND	INSAT-1B	74.00													13/10/1977	15/04/1982
IND		HYDERABAD	IND	INSAT-1B	74.00													13/10/1977	01/12/1984
IND		HYDERABAD	IND	INSAT-1C	93.50													09/10/1986	29/07/1988
IND		HYDERABAD	IND	INSAT-1D	83.00													02/11/1988	20/06/1990
IND		HYDERABAD	IND	INSAT-2(83)	83.00													14/02/1990	30/07/1993
IND		HYDERABAD	IND	INSAT-2(93.5)	93.50													14/02/1990	07/01/1994
IND		HYDERABAD 1	IND	IRS-1B	NGSO													22/02/1988	30/08/1991
IND		HYDERABAD 2	IND	IRS-1B	NGSO													22/02/1988	30/08/1991
RUS		IAKUTSK	RUS	STATSIONAR-1	80.00													03/02/1969	01/12/1970
J		IBARAKI	J	INTELSAT5 PAC3	180.00													21/06/1985	04/02/1985
J		IBARAKI	J	INTELSAT5 PAC3	180.00													21/06/1985	04/02/1986
J		IBARAKI CR	J	INTELSAT5 PAC3	180.00													18/03/1991	01/04/1991
G		IBM UK PES 1	G	EUTELSAT 2-7E	7.00													02/07/1993	07/12/1992
J		IIOKA	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		IIOKA	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
ARS		IMEC GATEWAY JEDDAH	ARS	HIBLEO-2FL	NGSO													09/11/1998	23/09/1998
IND		IMPHAL	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
IRN		INCHEBOROON	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
AUT		INNSBRUCK	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
CAN		IQALUIT 1	CAN	HIBLEO-2FL	NGSO													03/01/1997	05/06/1997
CAN		IQALUIT 2	CAN	HIBLEO-2FL	NGSO													03/01/1997	05/06/1997
CAN		IQALUIT 3	CAN	HIBLEO-2FL	NGSO													03/01/1997	05/06/1997
CAN		IQALUIT 4	CAN	HIBLEO-2FL	NGSO													03/01/1997	05/06/1997
IRN		IRANDEGAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
J		IRIOMOTE 6	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989

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J		IRIOMOTE 6	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		IRIOMOTE 7	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		IRIOMOTE 7	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		IRIOMOTE 8	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		IRIOMOTE 8	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		IRIOMOTE A	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		IRIOMOTE B	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		IRIOMOTE C1	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		IRIOMOTE C2	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		IRIOMOTE D	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		IRIOMOTE KU 1.2M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		IRIOMOTE KU 5M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
RUS		IRKUTSK	RUS	STATSIONAR-1	80.00													03/02/1969	01/12/1970
USA		IRVING TX	USA	ASC-1	-128.00													25/04/1988	26/10/1985
B		ITACAJA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		ITACOATIARA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		ITAITUBA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IND		ITANAGAR	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
MEX		IZTAPALAPA 1 DF	MEX	MORELOS 1	-113.50													08/07/1985	30/09/1985
MEX		IZTAPALAPA 1 DF	MEX	MORELOS 2	-116.80													08/07/1985	30/09/1985
J		IZUHARA	J	BS-3	110.00													09/03/1990	29/08/1990
J		IZUHARA 6	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		IZUHARA 6	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		IZUHARA 7	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		IZUHARA 7	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		IZUHARA 8	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		IZUHARA 8	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		IZUHARA A	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		IZUHARA B	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		IZUHARA C1	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		IZUHARA C2	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		IZUHARA D	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		IZUHARA KU 1.2M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		IZUHARA KU 5M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		IZUMO (IOR)	J	INTELSAT6 60E	60.00													10/02/1997	11/01/1996
J		IZUMO (POR)	J	INTELSAT7 177E	177.00													10/02/1997	11/01/1996
RUS		J SAHALINSK/ST-F1	RUS	STATSIONAR-21	103.00													03/06/1999	01/01/1996
RUS		J SAHALINSK/ST-F3	RUS	INTELSAT7 177E	177.00													03/06/1999	01/01/1996
RUS		J SAHALINSK/ST-G3.7	RUS	STATSIONAR-14	96.50													15/10/1999	01/01/1997
RUS		J.SAHALINSK/STD-F1	RUS	INTELSAT7 177E	177.00													16/08/2000	04/11/1996
RUS		J.SAHALINSK/STD-F1	RUS	STATSIONAR-21	103.00													16/08/2000	04/11/1996
IND		JAIPUR	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		JAIPUR	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
INS		JAKARTA	INS	PALAPA-B1	108.00													24/07/1979	30/10/1983
INS		JAKARTA	INS	PALAPA-B2	113.00													24/07/1979	30/06/1987

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INS		JAKARTA	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
IRN		JALGH	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		JAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		JANNATABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		JAVAZM	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
ARS		JEDDAH 4A	ARS	INTELSAT5A INDOC2	57.00													02/01/1996	10/06/1994
ARS		JEDDAH 4A	ARS	INTELSAT5A INDOC2	57.00													21/12/1998	10/06/1994
ARS		JEDDAH 7	ARS	INMARSAT-2 IOR 1	64.50													21/12/1998	15/10/1994
ARS		JEDDAH 8	ARS	ARABSAT 2-B	26.00													08/09/1997	29/09/1996
ARS		JEDDAH 9	ARS	ARABSAT 2-A	30.50													02/06/1998	01/02/1997
ARS		JEDDAH-8	ARS	ARABSAT 1-B	26.00													15/02/1984	01/08/1985
KOR		JEOJIN 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		JEOJIN 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		JEOJIN 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		JEOJIN 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		JEOJIN 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		JEOJIN 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
E		JEREZ DE LA FRONTERA	E	HISPASAT-1	-30.00													14/05/1996	30/07/1996
J		JSB SAITAMA	J	BS-3	110.00													09/03/1990	29/08/1990
J		JSB TOKYO	J	BS-3	110.00													09/03/1990	29/08/1990
B		JUARA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		JUINA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		JUIZ DE FORA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		JUZHNO-SAHALIN/VMP-2	RUS	STATIONAR-21	103.00													10/08/1998	15/12/1995
INS		K PEMBUANG	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		K PEMBUANG	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
USA		KAENA POINT	HWA	CRRES	NGSO													16/11/1989	15/07/1990
USA		KAENA POINT	HWA	SPACE SHUTTLE	NGSO													03/04/1989	22/12/1983
USA		KAENA POINT 1	HWA	CRRES	NGSO													16/11/1989	15/07/1990
USA		KAENA POINT 1	HWA	NAVSTAR GPS	NGSO													14/02/1992	30/06/1986
USA		KAENA POINT 1	HWA	SPACE SHUTTLE	NGSO													03/04/1989	22/12/1983
USA		KAENA POINT 2	HWA	CRRES	NGSO													16/11/1989	15/07/1990
USA		KAENA POINT 3	HWA	CRRES	NGSO													16/11/1989	15/07/1990
IRN		KAHNOOYEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		KAHREEZ	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		KAHREEZEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
INS		KAIMANA	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KAIMANA	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
J		KAKOGAWA	J	ASIASAT-E	100.50													02/06/1999	19/07/1999
INS		KALABAHI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KALABAHI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		KALAT	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
RUS		KALININGRAD JSC 04F1	RUS	INTELSAT7 66E	66.00													19/10/1998	01/07/1997
RUS		KALININGRAD MT A	RUS	INTELSAT6 60E	60.00													16/12/1998	01/01/1998
RUS		KALININGRAD/SATNET	RUS	INTELSAT6 60E	60.00													28/03/2000	01/01/1999

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RUS		KALININGRAD/SBS-A	RUS	INTELSAT6 60E	60.00													25/02/2000	01/06/1998
J		KAMAKURA4.5	J	ASIASAT-E	100.50													28/04/1999	20/03/1999
J		KAMIYAMAGUCHI	J	INTELSAT5 INDOC4	66.00													21/03/1989	01/09/1989
IRN		KANGAN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		KANGARCHIN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
KOR		KANGHWA 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		KANGHWA 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		KANGHWA 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		KANGHWA 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		KANGHWA 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		KANGHWA 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
IRN		KAREVANDAR	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
INS		KARIMATA	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KARIMATA	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
J		KATSUURA	J	GMS-160E	160.00													18/04/1984	01/01/1982
J		KATSUURA F2	J	GMS-140E	140.00													16/01/1995	20/06/1995
J		KATSUURA S	J	GMS-140E	140.00													16/01/1995	20/06/1995
RUS		KAVALEROVO/ST-G3.7	RUS	STATSIONAR-14	96.50													15/10/1999	01/01/1997
IND		KAVARATTI I	IND	INSAT-1B	74.00													13/10/1977	15/04/1982
IND		KAVARATTI I	IND	INSAT-1B	74.00													13/10/1977	01/12/1984
RUS		KAZAN/01B	RUS	INTELSAT7 66E	66.00													26/04/2000	01/05/1998
INS		KE DAWANGAN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KE DAWANGAN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
ISL		KEFLAVIK	ISL	FLTSATCOM ATL	-23.00													18/03/1991	01/04/1990
RUS		KEMEROVO	RUS	STATSIONAR-1	80.00													03/02/1969	01/12/1970
IRN		KERMAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		KESHIT	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
IRN		KESHMIRAN	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
IRN		KESHTEGAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
INS		KETAPANG	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KETAPANG	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
RUS		KHABAROVSK	RUS	GOMS-M	76.00													09/06/1995	01/12/1994
IRN		KHANGHAH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		KHOSHAB	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		KHOSROABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
J		KIMITSU	J	BS-3	110.00													09/03/1990	29/08/1990
S		KIRUNA 1	S	KIRUNA ROCKET	NGSO													13/09/1965	01/07/1967
S		KIRUNA 1	S	KIRUNA ROCKET	NGSO													24/12/1968	01/04/1970
S		KIRUNA 2	S	KIRUNA ROCKET	NGSO													20/09/1967	07/07/1967
S		KISTA1 E3	S	INTELSAT7 66E	66.00													01/03/1996	07/06/1993
S		KISTA1 E3	S	INTELSAT7 66E	66.00													01/03/1996	07/06/1993
J		KITaura IBARAKI	J	LEOTELCOM-1	NGSO													26/09/1997	24/06/1998
AUT		KLagenfurt	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
LTU		KLAIPEDA 1	LTU	EUTELSAT 2-7E	7.00													26/10/1995	01/09/1994
USA		KODIAK	ALS	SAR	NGSO													08/07/1981	01/05/1983

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IND		KOHIMA	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
EST		KOHTU10 TLN SAT	EST	INTELSAT7 342E	-18.00													03/07/2000	01/02/2000
EST		KOHTU10 TLN SAT	EST	INTELSAT7 342E	-18.00													03/07/2000	01/02/2000
INS		KOLAKA	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KOLAKA	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
RUS		KOMSOMOLSKAMUR	RUS	MOLNIA-1	NGSO													31/07/1967	01/09/1967
RUS		KOMSOMOLSKAMUR	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
RUS		KOMSOMOLSKAMUR	RUS	STATSIONAR-1	80.00													03/02/1969	01/12/1970
MLA		KOTA KINABALU	MLA	PALAPA-B2	113.00													02/04/1990	01/08/1989
INS		KOTA MOBAGU	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KOTA MOBAGU	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
INS		KOTABARU	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KOTABARU	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		KOUHAK	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
F		KOUROU	GUF	ARIANE	NGSO													05/12/1978	06/07/1979
F		KOUROU	GUF	ARIANE	NGSO													05/12/1978	06/09/1979
INS		KRUI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KRUI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
INS		KUALA KUAYAN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KUALA KUAYAN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
INS		KUALA KURUN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KUALA KURUN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
MLA		KUANTAN	MLA	PALAPA-B2	113.00													02/04/1990	01/08/1989
KOR		KUMSAN 5A	KOR	INTELSAT5 183E	-177.00													24/01/1994	01/04/1992
KOR		KUMSAN 6B	KOR	INMARSAT-2 IOR 1	64.50													05/10/1994	01/07/1993
KOR		KUMSAN 6B	KOR	INMARSAT-3 IOR-1	64.00													21/08/1996	01/09/1996
KOR		KUNSAN 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		KUNSAN 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		KUNSAN 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		KUNSAN 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		KUNSAN 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		KUNSAN 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
J		KURE	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		KURE	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
RUS		KURSK/SATNET	RUS	INTELSAT6 60E	60.00													28/03/2000	01/01/1999
INS		KUTACANE	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		KUTACANE	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
E		LA CORUNA	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
MEX		LA ESMERALDA COAH	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		LA ESMERALDA COAH	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
E		LA FLORIDA TTC	E	HISPASAT-1	-30.00													28/07/1993	01/07/1993
MEX		LA PAZ RURAL	MEX	MORELOS 1	-113.50													13/08/1985	15/10/1985
MEX		LA PAZ RURAL	MEX	MORELOS 2	-116.80													13/08/1985	15/10/1985
MEX		LA UNION QRO	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		LA UNION QRO	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986

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B		LABREA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
POR		LAJES	AZR	USGCSS PH3B ATL	-12.00													16/12/1996	01/09/1992
IND		LALGARH	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
IRN		LARAK	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
INS		LARANTUKA	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		LARANTUKA	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		LARIJAN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
MEX		LAS TAPIAS SIN	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		LAS TAPIAS SIN	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
IRQ		LATEFIA 1	IRQ	ARABSAT 1-B	26.00													07/11/1989	07/08/1989
USA		LAUREL MARYLAND	USA	TIMED	NGSO													23/11/1998	07/12/2001
IND		LEH	IND	INSAT-1B	74.00													08/05/1986	21/04/1986
E		LEON	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
E		LERIDA	E	EUTELSAT 1-3	7.00													06/11/1992	31/01/1993
CHN		LHASA	CHN	STW-1	125.00													21/10/1983	17/04/1984
ARG		LIBERTAD	ARG	INTELSAT7 307E	-53.00													01/09/1998	01/07/1995
LBY		LIBYA	LBY	ARABSAT 1-B	26.00													04/10/1983	19/06/1985
S		LID 01GX	S	INTELSAT7 342E	-18.00													19/11/1998	08/01/1997
AUT		LINZ ANSFELDEN	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
AUT		LINZ ANSFELDEN	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
USA		LIVERMORE CA	USA	ASC-1	-128.00													25/04/1988	26/10/1985
SVN		LJUBLJANA 1	SVN	EUTELSAT 2-7E	7.00													10/10/1994	01/03/1995
SVN		LJUBLJANA 1	SVN	EUTELSAT 2-7E	7.00													10/10/1994	01/03/1995
E		LOGRONO	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
G		LONDON GROSVENOR SQ1	G	INTELSAT IBS 307E	-53.00													06/06/1990	01/01/1986
G		LONDON SOUTHBANK 2	G	EUTELSAT 1-3	7.00													03/07/1986	01/09/1984
G		LONDON SOUTHBANK 2	G	EUTELSAT-1	10.00													25/04/1986	01/09/1985
G		LONDON TELEPORT 3	G	INTELSAT IBS 307E	-53.00													24/02/1987	01/01/1986
B		LONDRINA RGT	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		LONDRINA RTB	B	SBTS A1	-70.00													13/11/1984	01/02/1986
CHL		LONGOVILO 3	CHL	INTELSAT IBS 307E	-53.00													08/04/1991	03/09/1988
CHL		LONGOVILO 3	CHL	INTELSAT IBS 307E	-53.00													08/04/1991	31/07/1991
CHL		LONGOVILO 3	CHL	INTELSAT5 CONT1	-53.00													18/03/1986	26/09/1985
USA		LOS ALAMOS	USA	ALEXIS	NGSO													07/06/1994	25/04/1993
MEX		LOS ALTARES DGO	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		LOS ALTARES DGO	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
USA		LOS GATOS CAL	USA	USASAT-6A	-97.00													20/03/1986	01/01/1982
MDA		LUMEA DESCHISA	MDA	INTELSAT7 359E	-1.00													05/05/1997	01/12/1995
LUX		LUXEMBOURG 1	LUX	GDL-6	19.20													25/09/1987	01/02/1989
LUX		LUXEMBOURG 1	LUX	GDL-6	19.20													10/06/1991	01/09/1990
LUX		LUXEMBOURG 2	LUX	GDL-6	19.20													06/12/1988	01/02/1989
MEX		M BENAVIDES CHIH	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		M BENAVIDES CHIH	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
MDA		M RADIOCOM	MDA	INTELSAT6 60E	60.00													05/05/1997	01/10/1996
RUS		M SHMIDTA/KROSNA-MA	RUS	STATSIONAR-7	140.00													21/01/2000	01/01/1998

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INS		M SIBERUT	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		M SIBERUT	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
EGY		MAADI 2A	EGY	INTELSAT6 60E	60.00													02/10/1992	17/06/1984
B		MACAPA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
CHN		MACAU COLOANE 01B	MAC	INTELSAT6 60E	60.00													25/08/1993	15/01/1992
B		MACEIO RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IRN		MACHAN	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
ARG		MADERO 1	ARG	INTELSAT6 335.5E	-24.50													15/07/1992	01/11/1990
G		MADLEY 4	G	EUTELSAT 1-3	7.00													09/03/1987	01/11/1984
G		MADLEY 4	G	EUTELSAT-1	10.00													02/02/1987	01/06/1984
E		MADRID	E	EUTELSAT 1-3	7.00													03/10/1988	01/10/1988
E		MADRID 12	E	INTELSAT6 325.5E	-34.50													10/12/1996	03/03/1997
E		MADRID 13	E	INTELSAT7 307E	-53.00													03/11/1997	31/05/1998
E		MADRID 14	E	INTELSAT7 342E	-18.00													05/06/1998	01/09/1998
E		MADRID 8	E	EUTELSAT-1	10.00													10/04/1990	31/03/1990
RUS		MAGADAN	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
RUS		MAHACHKALA MT A	RUS	INTELSAT6 60E	60.00													27/07/1999	01/01/1998
USA		MAKAKILO HI	HWA	ASC-1	-128.00													25/04/1988	26/10/1985
IRN		MAKHMOOR	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
E		MALAGA 1	E	HISPASAT-1	-30.00													29/01/1996	30/04/1996
S		MALMOE 1	S	TELE-X	5.00													15/03/1993	15/02/1992
B		MANACAPURU	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		MANAUS	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		MANAUS RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		MANICORE	B	SBTS A1	-70.00													13/11/1984	19/05/1986
INS		MANNA	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		MANNA	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
KOR		MANRIPO 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		MANRIPO 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		MANRIPO 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		MANRIPO 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		MANRIPO 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		MANRIPO 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
MOZ		MAPUTO	MOZ	INTELSAT5 INDOC4	66.00													24/01/1990	11/08/1986
KOR		MARADO 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		MARADO 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		MARADO 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		MARADO 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		MARADO 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		MARADO 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
G		MARTLESHAM HEATH 2	G	EUTELSAT 1-3	7.00													25/11/1993	01/08/1987
G		MARTLESHAM HEATH 2	G	INTELSAT IBS 307E	-53.00													25/11/1993	01/08/1987
G		MARTLESHAM HEATH 7	G	INTELSAT IBS 307E	-53.00													25/11/1993	01/08/1987
IRN		MASKUTAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
INS		MASOHI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983

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INS		MASOHI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
E		MASPALOMAS	CNR	KOSPAS	NGSO													12/05/1999	01/08/1999
E		MASPALOMAS	CNR	SAR	NGSO													12/05/1999	01/08/1999
J		MASUDA	J	BS-3	110.00													09/03/1990	29/08/1990
J		MASUDA	J	GMS-160E	160.00													18/04/1984	01/01/1982
J		MASUDA 1	J	GMS-160E	160.00													18/04/1984	01/01/1982
J		MASUDA F2	J	GMS-140E	140.00													16/01/1995	20/06/1995
J		MASUDA S	J	GMS-140E	140.00													16/01/1995	20/06/1995
B		MAUES	B	SBTS A1	-70.00													13/11/1984	19/05/1986
USA		MCLEAN VA	USA	USASAT-6A	-97.00													20/03/1986	01/01/1982
MDA		MEGADAT	MDA	INTELSAT6 60E	60.00													10/01/2000	31/10/1999
S		MEGAPOL STO 1	S	TELE-X	5.00													01/03/1996	02/05/1994
J		MEGURO	J	INTELSAT5 PAC3	180.00													22/04/1986	24/04/1986
IND		MEHMUDABAD	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
IRN		MEHREEZ	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
ETH		MEKELE	ETH	INTELSAT5 INDOC4	66.00													07/10/1988	15/10/1988
AUS		MELBOURNE	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
AUS		MELBOURNE 1A	AUS	INTELSAT5 PAC3	180.00													23/09/1986	01/05/1984
AUS		MELBOURNE MET VIC	AUS	GMS-140E	140.00													06/04/1995	05/01/1989
E		MELILLA 1	E	HISPASAT-1	-30.00													29/01/1996	30/04/1996
G		MERCURY MILDENHALL	G	INTELSAT IBS 307E	-53.00													19/08/1992	23/11/1991
MEX		MERIDA RURAL	MEX	MORELOS 1	-113.50													13/08/1985	15/10/1985
MEX		MERIDA RURAL	MEX	MORELOS 2	-116.80													13/08/1985	15/10/1985
USA		MERRITT ISLAND FL	USA	LANDSAT-4	NGSO													18/10/1988	16/07/1982
USA		MERRITT ISLAND FL	USA	PAM	NGSO													29/07/1991	20/08/1981
USA		MERRITT ISLAND FL	USA	SPACE SHUTTLE	NGSO													03/04/1989	22/12/1983
USA		MERRITT ISLAND FL	USA	SPACE SHUTTLE	NGSO													29/04/1993	22/12/1983
USA		MERRITT ISLAND FL	USA	XTE	NGSO													23/04/1996	30/12/1995
INS		MEULABOH	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		MEULABOH	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		MIANEH	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
J		MIHOCHO	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		MIHOCHO	J	JCSAT-2	154.00													05/05/1989	01/01/1990
E		MIJAS	E	HISPASAT-1	-30.00													14/05/1996	30/07/1996
G		MILLER 1	G	EUTELSAT-1	10.00													01/03/1991	10/11/1992
G		MILLER 2	G	EUTELSAT-1	10.00													01/03/1991	10/11/1992
IND		MINICOY	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
IND		MINICOY IS	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		MINICOY IS	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
MEX		MIQUIHUANA TAMS	MEX	MORELOS 1	-113.50													06/07/1987	15/10/1986
MEX		MIQUIHUANA TAMS	MEX	MORELOS 2	-116.80													06/07/1987	15/10/1986
IND		MITHA	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
IRN		MOLLAJAFAR	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
MEX		MONTERREY NL	MEX	MORELOS 1	-113.50													08/07/1985	30/09/1985
MEX		MONTERREY NL	MEX	MORELOS 2	-116.80													08/07/1985	30/09/1985

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MEX		MONTERREY RURAL	MEX	MORELOS 1	-113.50													13/08/1985	15/10/1985
MEX		MONTERREY RURAL	MEX	MORELOS 2	-116.80													13/08/1985	15/10/1985
IRN		MOORTI	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
AUS		MOREE 1A	AUS	INTELSAT5 PAC3	180.00													23/09/1986	24/05/1968
RUS		MOSC2/SCPC ROMANTIS	RUS	INTELSAT6 60E	60.00													03/06/1999	01/01/1998
RUS		MOSCOW KOMSAT 9	RUS	EUTELSAT 2-7E	7.00													26/02/1998	01/01/1996
RUS		MOSCOW MIR-C	RUS	INTELSAT6 60E	60.00													14/04/1999	01/01/1997
RUS		MOSCOW TES/C-2.4	RUS	EUTELSAT 2-7E	7.00													20/11/2000	31/03/2000
RUS		MOSCOW/MS-04A	RUS	INTELSAT7 342E	-18.00													19/11/1999	01/07/1997
RUS		MOSCOW/SATNET1	RUS	INTELSAT6 60E	60.00													13/09/1999	01/01/1999
RUS		MOSCOW/SATNET2	RUS	INTELSAT6 60E	60.00													13/09/1999	01/01/1999
RUS		MOSCOW/SCPC ROMANTIS	RUS	INTELSAT6 60E	60.00													13/09/1999	01/01/1999
RUS		MOSCOW/VT2-5	RUS	EXPRESS-6	80.00													13/03/2000	01/10/1999
RUS		MOSCOW/VT2-5	RUS	STATIONAR-21	103.00													13/03/2000	01/10/1999
RUS		MOSCOW1/SATNET	RUS	INTELSAT6 60E	60.00													03/06/1999	01/01/1998
RUS		MOSCOW1/VT2-5	RUS	EXPRESS-6	80.00													13/03/2000	01/10/1999
RUS		MOSCOW-11	RUS	EXPRESS-4	40.00													06/11/2000	01/07/1999
RUS		MOSCOW-2	RUS	EUTELSAT 2-7E	7.00													06/11/2000	01/07/1999
RUS		MOSCOW-4	RUS	EUTELSAT 2-10E	10.00													06/11/2000	01/07/1999
RUS		MOSCOW-5	RUS	EUTELSAT 2-7E	7.00													06/11/2000	01/07/1999
RUS		MOSCOW-7	RUS	EUTELSAT 2-13E	13.00													06/11/2000	01/07/1999
RUS		MOSKVA	RUS	GOMS-1M	-14.50													16/12/1994	20/04/1997
RUS		MOSKVA	RUS	GOMS-M	76.00													09/06/1995	01/12/1994
RUS		MOSKVA	RUS	MOLNIA-1	NGSO													31/07/1967	01/09/1967
RUS		MOSKVA	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
RUS		MOSKVA	RUS	STATIONAR-1	80.00													03/02/1969	01/12/1970
RUS		MOSKVA	RUS	STATIONAR-27	12.00													10/09/1991	01/08/1992
RUS		MOSKVA	RUS	STATIONAR-3	85.00													28/10/1998	08/12/1997
RUS		MOSKVA 1	RUS	STATIONAR-22	1.00													03/01/1990	31/12/1992
INS		MUARA BUNGO	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		MUARA BUNGO	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
INS		MUARA TEWEH	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		MUARA TEWEH	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IND		MUMBAI	IND	INSAT-1B	74.00													13/10/1977	15/04/1982
IND		MUMBAI	IND	INSAT-1B	74.00													13/10/1977	01/12/1984
IND		MUMBAI	IND	INSAT-1C	93.50													09/10/1986	29/07/1988
IND		MUMBAI	IND	INSAT-2 (83)	83.00													14/02/1990	30/07/1993
IND		MUMBAI	IND	INSAT-2 (93.5)	93.50													14/02/1990	07/01/1994
IND		MUMBAI 1	IND	INSAT-1D	83.00													02/11/1988	20/06/1990
D		MUNICH RELAY AOR	D	INTELSAT6 332.5E	-27.50													18/11/1993	01/12/1992
D		MUNICH RELAY IOR	D	INTELSAT5A INDOC2	57.00													18/11/1993	01/12/1992
G		MURCHINSON OIL PLAT	G	EUTELSAT 2-10E	10.00													01/06/1992	01/07/1992
G		MURDOCH OIL PLATFORM	G	EUTELSAT 2-10E	10.00													24/07/1992	01/07/1993
RUS		MURMANSK/SFIT	RUS	EXPRESS-6	80.00													10/08/1999	01/01/1997
USA		MURPHY TX	USA	ASC-1	-128.00													25/04/1988	26/10/1985

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
J		NAGOYA 6	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		NAGOYA 6	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		NAGOYA 7	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		NAGOYA 7	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		NAGOYA 8	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		NAGOYA 8	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		NAHA 10	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 10	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 11	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 11	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 12	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 12	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 13	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 13	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 14	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 14	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 15	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 15	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 16	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 16	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 17	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 17	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 18	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 18	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 6	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 6	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 7	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 7	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 8	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 8	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA 9	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NAHA 9	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NAHA A	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		NAHA B	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		NAHA C1	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		NAHA C2	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		NAHA D	J	SUPERBIRD-A	158.00													19/02/1996	01/12/1992
J		NAHA KU 1.2M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		NAHA KU 5M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		NAHA (IOR)	J	INTELSAT6 60E	60.00													10/02/1997	11/01/1996
J		NAHA (POR)	J	INTELSAT7 177E	177.00													10/02/1997	11/01/1996
IRN		NAHR ANBAR	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
RUS		NAKHODKA	RUS	KOSPAS	NGSO													04/08/1981	31/12/1982
INS		NAMLEA	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		NAMLEA	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987

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MOZ		NAMPULA	MOZ	INTELSAT5 INDOC4	66.00													24/01/1990	11/08/1986
MOZ		NAMPULA	MOZ	INTELSAT5 INDOC4	66.00													24/01/1990	11/08/1986
CHN		NANJING	CHN	STW-1	125.00													21/10/1983	17/04/1984
IRN		NARAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		NAREHNO	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
B		NATIVIDADE	B	SBTS A1	-70.00													13/11/1984	19/05/1986
G		NELSON OIL PLATFORM	G	EUTELSAT 2-10E	10.00													15/05/1992	01/11/1992
J		NEMURO	J	BS-3	110.00													09/03/1990	29/08/1990
J		NEMURO 1	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 1	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		NEMURO 1	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NEMURO 1	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		NEMURO 10	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		NEMURO 10	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		NEMURO 2	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 2	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		NEMURO 2	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NEMURO 2	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		NEMURO 3	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 3	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		NEMURO 3	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NEMURO 3	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		NEMURO 4	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 4	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		NEMURO 4	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NEMURO 4	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		NEMURO 5	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 5	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		NEMURO 5	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NEMURO 5	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		NEMURO 6	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 6	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		NEMURO 6	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NEMURO 6	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		NEMURO 7	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 7	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		NEMURO 7	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NEMURO 7	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		NEMURO 8	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 8	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		NEMURO 9	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		NEMURO 9	J	JCSAT-2	154.00													05/05/1989	01/01/1990
USA		NEW BOSTON 1 NH	USA	CRRES	NGSO													16/11/1989	15/07/1990
USA		NEW BOSTON 1 NH	USA	USGCSS PH3 E PAC-2	-130.00													29/03/1996	18/11/1989
USA		NEW BOSTON 1 NH	USA	USGCSS PH3 MID-ATL	-42.50													29/03/1996	01/11/1992

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USA		NEW BOSTON 1 NH	USA	USGCSS PH3B ATL	-12.00													29/03/1996	01/07/1992
USA		NEW BOSTON 1 NH	USA	USGCSS PH3B E PAC	-135.00													29/03/1996	01/07/1992
USA		NEW BOSTON 2 NH	USA	CRRES	NGSO													16/11/1989	15/07/1990
USA		NEW BOSTON 2 NH	USA	USGCSS PH3 E PAC-2	-130.00													29/03/1996	18/11/1989
USA		NEW BOSTON 2 NH	USA	USGCSS PH3 MID-ATL	-42.50													29/03/1996	01/11/1992
USA		NEW BOSTON 2 NH	USA	USGCSS PH3B ATL	-12.00													29/03/1996	01/07/1992
USA		NEW BOSTON 2 NH	USA	USGCSS PH3B E PAC	-135.00													29/03/1996	01/07/1992
USA		NEW BOSTON 3 NH	USA	CRRES	NGSO													16/11/1989	15/07/1990
USA		NEW BOSTON NH	USA	CRRES	NGSO													16/11/1989	15/07/1990
USA		NEW BOSTON NH	USA	SPACE SHUTTLE	NGSO													29/04/1993	22/12/1983
USA		NEW BOSTON NH 1	USA	SPACE SHUTTLE	NGSO													29/04/1993	22/12/1983
IND		NEW DELHI	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		NEW DELHI	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
J		NHK SAITAMA	J	BS-3	110.00													09/03/1990	29/08/1990
J		NIC AZUMINO	J	HIBLEO-2FL	NGSO													22/07/1996	31/07/1998
J		NIC MIASA	J	HIBLEO-2FL	NGSO													22/07/1996	31/07/1998
J		NIC SHINONOI	J	HIBLEO-2FL	NGSO													22/07/1996	31/07/1998
RUS		NIKOLAEVSK NA AMURE	RUS	CSDRN	95.00													06/03/1984	01/11/1985
RUS		NIKOLAEVSK NA AMURE	RUS	ESDRN	-160.00													06/03/1984	01/10/1986
RUS		NIKOLAEVSK NA AMURE1	RUS	FOTON-2	80.00													15/06/1992	01/10/1994
RUS		NIKOLAEVSK NA AMURE1	RUS	POTOK-2	80.00													30/05/1984	30/05/1984
RUS		NIKOLAEVSK NA AMURE1	RUS	POTOK-3	-168.00													26/01/1982	29/06/1985
RUS		NIKOLAEVSKAMUR	RUS	FOTON-3	-168.00													15/06/1992	01/10/1994
RUS		NIKOLAEVSKAMUR	RUS	FOTON-3	-168.00													04/10/1994	01/10/1994
IRN		NIYAR	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
LTU		NOR LIT 1	LTU	INTELSAT7 359E	-1.00													28/11/1994	01/10/1992
D		NORDEN K	D	INTELSAT6 60E	60.00													18/05/1994	01/02/1994
USA		NORFOLK VA	USA	FLTSATCOM ATL	-23.00													01/06/1976	27/07/1979
USA		NORFOLK VA	USA	FLTSATCOM E PAC	-100.00													01/06/1976	09/02/1978
USA		NORTH BROOK IL	USA	ASC-1	-128.00													25/04/1988	26/10/1985
USA		NORTHWEST VA	USA	FLTSATCOM ATL	-23.00													01/06/1976	27/07/1979
USA		NORTHWEST VA	USA	FLTSATCOM E PAC	-100.00													01/06/1976	09/02/1978
IRN		NOSRAT	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
B		NOVA OLINDA DO NORTE	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		NOVO ACORDO	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		NOVO ARIPUANA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		NOVOCHERCASSK/01F2	RUS	INTELSAT7 66E	66.00													24/12/1999	01/05/1998
RUS		NOVOSIBIRSK	RUS	GOMS-M	76.00													09/06/1995	01/12/1994
RUS		NOVOSIBIRSK	RUS	LOUTCH-4	140.00													08/12/1987	29/05/1983
RUS		NOVOSIBIRSK	RUS	LOUTCH-5	103.00													13/09/1989	21/12/1989
RUS		NOVOSIBIRSK	RUS	LOUTCH-9	96.50													13/09/1989	21/12/1989
RUS		NOVOSIBIRSK	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
RUS		NOVOSIBIRSK	RUS	STATSIONAR-1	80.00													03/02/1969	01/12/1970
RUS		NOVOSIBIRSK	RUS	STATSIONAR-14	96.50													09/07/1986	28/07/1986
RUS		NOVOSIBIRSK	RUS	STATSIONAR-15	128.00													30/05/1984	01/07/1984

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RUS		NOVOSIBIRSK	RUS	STATSIONAR-21	103.00													18/12/1987	28/01/1989
RUS		NOVOSIBIRSK	RUS	STATSIONAR-7	140.00													13/11/1987	14/11/1989
RUS		NOVOSIBIRSK 1	RUS	LOUTCH-5	103.00													13/09/1989	21/12/1989
RUS		NOVOSIBIRSK 1	RUS	LOUTCH-9	96.50													13/09/1989	21/12/1989
RUS		NOVOSIBIRSK 1	RUS	STATSIONAR-14	96.50													09/07/1986	28/07/1986
RUS		NOVOSIBIRSK 1	RUS	STATSIONAR-15	128.00													30/05/1984	01/07/1984
RUS		NOVOSIBIRSK 1	RUS	STATSIONAR-16	145.00													31/12/1987	31/12/1987
RUS		NOVOSIBIRSK 1	RUS	STATSIONAR-21	103.00													18/12/1987	28/01/1989
RUS		NOVOSIBIRSK 1	RUS	STATSIONAR-7	140.00													13/11/1987	14/11/1989
RUS		NOVOSIBIRSK 2	RUS	LOUTCH-5	103.00													13/09/1989	21/12/1989
RUS		NOVOSIBIRSK 2	RUS	LOUTCH-9	96.50													13/09/1989	21/12/1989
RUS		NOVOSIBIRSK SATURN U	RUS	INTELSAT7 57E	57.00													28/10/1998	01/07/1997
IRN		NOWROOZ	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
S		NRJ NACKA 1	S	TELE-X	5.00													01/03/1996	02/05/1994
G		NTL MIS 2	G	INTELSAT6 332.5E	-27.50													12/01/1993	01/09/1992
USA		NUEVO CA	USA	ASC-1	-128.00													25/04/1988	26/10/1985
INS		NUNUKAN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		NUNUKAN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
MEX		OAXACA RURAL	MEX	MORELOS 1	-113.50													13/08/1985	15/10/1985
MEX		OAXACA RURAL	MEX	MORELOS 2	-116.80													13/08/1985	15/10/1985
G		OCEAN BOUNTY	G	EUTELSAT 2-10E	10.00													16/07/1992	01/04/1992
G		OCEAN BOUNTY	G	EUTELSAT 2-10E	10.00													16/07/1992	01/04/1992
G		OCEAN VALLIENT	G	EUTELSAT 2-10E	10.00													22/06/1992	14/03/1992
INS		OEBOBO	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		OEBOBO	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		OEBOBO	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
S		OELANDS SOEDRA UDDE	S	EUTELSAT 1-3	7.00													28/11/1989	01/03/1990
RUS		OHA/STD-F1	RUS	INTELSAT7 177E	177.00													21/01/2000	04/11/1996
B		OIAPOQUE	B	SBTS A1	-70.00													13/11/1984	01/02/1986
J		OKINAWA	J	BS-3	110.00													09/03/1990	29/08/1990
J		OKINAWA	J	GMS-160E	160.00													18/04/1984	01/01/1982
J		OKINAWA 02 F1	J	INTELSAT7 177E	177.00													13/07/1998	02/11/1995
J		OKINAWA 1	J	GMS-160E	160.00													18/04/1984	01/01/1982
J		OKINAWA 4	J	INTELSAT5 PAC3	180.00													05/01/1987	31/12/1986
J		OKINAWA-1	J	BS-3	110.00													09/03/1990	29/08/1990
RUS		OMSK/SBERCOM-T	RUS	EXPRESS-6	80.00													26/04/2000	01/01/1998
IRN		ORAMAN TAKHT	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
RUS		ORENBURG/02F2	RUS	INTELSAT7 66E	66.00													20/11/2000	01/05/1998
J		OSAKA	J	BS-3	110.00													09/03/1990	29/08/1990
J		OSAKA 6	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		OSAKA 6	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		OSAKA 7	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		OSAKA 7	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		OSAKA 8	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		OSAKA 8	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992

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J		OSAKA TELEPORT	J	INTELSAT5 PAC3	180.00													21/03/1989	22/09/1989
J		OTEMACHI	J	INTELSAT5 183E	-177.00													31/01/2000	25/01/2000
J		OTEMACHI	J	INTELSAT7 177E	177.00													31/01/2000	25/01/2000
J		OTEMACHI	J	INTELSAT7 180E	180.00													31/01/2000	25/01/2000
J		OTEMACHI	J	USASAT-14G	169.00													12/05/2000	25/01/2000
CAN		OTTAWA LEOLUT	CAN	KOSPAS	NGSO													29/10/1999	01/07/1985
CAN		OTTAWA LEOLUT	CAN	SAR	NGSO													29/10/1999	01/07/1985
E		OVIEDO	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
INS		PAINAN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		PAINAN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		PAKCHIN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
INS		PALOPO	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		PALOPO	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
PAK		PALUT	PAK	KOSPAS	NGSO													21/02/1992	04/04/1991
MEX		PANALACHIC CHIH	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		PANALACHIC CHIH	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
INS		PANGK BUN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		PANGK BUN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
B		PARANA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		PARANATINGA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IRN		PASABANDAR	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IND		PATNA	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		PATNA	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
USA		PAUMALU 1	HWA	INTELSAT5 PAC3	180.00													16/10/1984	31/12/1984
USA		PAUMALU 2	HWA	INTELSAT5 PAC3	180.00													29/10/1984	31/12/1984
IRN		PEERANSHAH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IND		PENGLANGLA	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
AUS		PERTH	AUS	AUSSAT B 156E	156.00													22/05/1996	01/06/1995
AUS		PERTH	AUS	AUSSAT B 160E	160.00													22/05/1996	01/11/1992
AUS		PERTH MET WA	AUS	GMS-140E	140.00													06/04/1995	06/06/1995
AUS		PERTH WA	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
RUS		PES-1/MOSCOW	RUS	EUTELSAT 2-7E	7.00													06/10/1999	01/01/1998
RUS		PETROPAVLO KAM	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
RUS		PETUSHKI 1	RUS	INTELSAT5 INDOC4	66.00													22/11/1990	01/06/1991
MDG		PHILIBERT TSIRANANA	MDG	INTELSAT6 60E	60.00													25/07/1994	24/08/1990
MDG		PHILIBERT TSIRANANA	MDG	INTELSAT6 60E	60.00													25/07/1994	22/09/1992
MDG		PHILIBERT TSIRANANA	MDG	INTELSAT6 60E	60.00													25/07/1994	12/05/1993
G		PIPER B1	G	EUTELSAT 1-3	7.00													06/09/1991	01/10/1991
IRN		PIREKHEZRAN	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
TUR		PIRINCLIK	TUR	USGCSS PH3 INDOC	60.00													12/06/1995	15/06/1994
IRN		PISHIN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		PLAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		PLANGAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
G		PLYMOUTH UNIVERSITY	G	EUTELSAT 2-16E	16.00													06/05/1993	16/10/1992
MEX		PNT ABREOJOS BCS	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986

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MEX		PNT ABREOJOS BCS	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
CHL		PNT ARENAS	CHL	INTELSAT IBS 307E	-53.00													16/01/1989	03/09/1988
USA		PNT REYES CA	USA	SAR	NGSO													08/07/1981	01/05/1983
USA		POKER FLAT ALASKA	USA	EOS PM	NGSO													26/04/1999	04/05/2002
USA		POKER FLAT ALASKA	USA	QUIKSCAT	NGSO													24/09/1998	20/06/1999
USA		POKER FLAT ALASKA	ALS	SWAS	NGSO													28/06/1995	06/12/1998
POL		POL LOD TO7	POL	DFS-2	28.50													12/09/1994	10/01/1994
POL		POL RTR 1	POL	EUTELESAT 2-7E	7.00													12/09/1994	30/03/1994
POL		POL SIT 1	POL	EUTELESAT 2-7E	7.00													12/09/1994	03/12/1993
POL		POL VAA 1	POL	EUTELESAT 2-7E	7.00													12/09/1994	29/01/1992
POL		POL VAA 2	POL	EUTELESAT 2-7E	7.00													12/09/1994	05/03/1993
POL		POL WAR 4	POL	EUTELESAT 2-7E	7.00													12/09/1994	26/05/1993
POL		POL WAR 5	POL	EUTELESAT 2-10E	10.00													12/09/1994	10/09/1993
IRN		POLENO	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
G		POLY CONFIDENCE	G	EUTELESAT 2-10E	10.00													22/06/1992	01/04/1992
B		PONTA GROSSA RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		PONTE ALTA DO NORTE	B	SBTS A1	-70.00													13/11/1984	19/05/1986
E		PONTEVEDRA	E	EUTELESAT 1-3	7.00													03/08/1988	01/10/1988
INS		PONTIANAK	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		PONTIANAK	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		PONTIANAK	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
IND		PORTBLAIR	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
B		PORTO ALEGRE RGT	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		PORTO ALEGRE RTB	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		PORTO MURTINHO	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		PORTO VELHO	B	SBTS A1	-70.00													13/11/1984	01/02/1986
IRN		POSHTKUH	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
INS		POSO	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		POSO	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
USA		POUGHKEEPSIE NY	USA	USASAT-6A	-97.00													20/03/1986	01/01/1982
CZE		PRAHA	CZE	MOLNIA-2	NGSO													08/02/1974	01/05/1974
B		PRESID PRUDENTE RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
E		PRI E 1	E	EUTELESAT 2-7E	7.00													10/02/1995	30/04/1995
E		PRI E 2	CNR	EUTELESAT 2-7E	7.00													10/02/1995	30/04/1995
CAN		PRINCE ALBERT 1	CAN	RADARSAT-1A	NGSO													09/10/1995	18/10/1995
USA		PRINCETON NJ	USA	ASC-1	-128.00													25/04/1988	26/10/1985
POL		PSARY AOR LES	POL	INMARSAT-2 AOR EAST	-15.50													16/05/1995	01/11/1987
POL		PSARY AOR LES	POL	INMARSAT-2 AOR EAST	-15.50													16/05/1995	01/11/1987
POL		PSARY AOR LES	POL	INMARSAT-2 AOR EAST	-15.50													16/05/1995	01/11/1987
POL		PSARY INTELSAT AOR	POL	INTELSAT6 335.5E	-24.50													16/05/1995	01/10/1982
POL		PSARY INTELSAT IOR	POL	INTELSAT6 60E	60.00													16/05/1995	01/12/1989
POL		PSARY IOR LES	POL	INMARSAT-2 IOR 1	64.50													16/05/1995	01/11/1987
POL		PSARY IOR LES	POL	INMARSAT-2 IOR 1	64.50													03/08/1998	01/11/1987
IND		PT BLAIR	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		PT BLAIR	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983

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USA		PULANTAT	GUM	INTELSAT5 PAC3	180.00													05/11/1984	31/12/1984
KOR		PUSAN 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		PUSAN 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		PUSAN 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		PUSAN 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		PUSAN 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		PUSAN 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
INS		PUTTUSIBAU	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		PUTTUSIBAU	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
INS		RACE TRACK	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
INS		RACETRACK I	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		RACETRACK I	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		RAHA	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		RAHA	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IND		RAJGIR	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
IRN		RAMESHK	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
INS		RANAI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		RANAI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
NZL		RANGIORA	NZL	INTELSAT5 PAC3	180.00													22/08/1988	19/02/1986
INS		RANTAIPAO	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		RANTAIPAO	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
BHR		RAS ABU JARJUR	BHR	ARABSAT 1-B	26.00													22/10/1984	19/06/1985
BHR		RAS ABU JARJUR	BHR	INTELSAT6 60E	60.00													11/10/1993	31/07/1993
B		RECIFE	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		RECIFE RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		RECIFE RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
MDA		RELISOFT	MDA	INTELSAT7 359E	-1.00													11/04/2000	01/12/1999
INS		RENGAT	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		RENGAT	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		RESALAT	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		RESHADAT	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
B		RIO BRANCO	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		RIO DE JANEIRO RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
ARS		RIYADH	ARS	ARABSAT 1-B	26.00													26/07/1983	18/06/1985
ARS		RIYADH 3	ARS	INTELSAT6 60E	60.00													14/08/1995	23/04/1996
ARS		RIYADH 5	ARS	ARABSAT 1-C	31.00													14/08/1995	15/10/1994
ARS		RIYADH 7	ARS	INTELSAT6 60E	60.00													14/08/1995	07/03/1996
ARS		RIYADH TTC-M	ARS	ARABSAT 1-B	26.00													06/04/1983	18/06/1985
I		RM GROTTAROSSA	I	EUTELSAT 2-36E	36.00													28/10/1993	01/02/1992
I		RM GROTTAROSSA	I	INTELSAT K 338.5E	-21.50													19/10/1992	01/02/1992
E		ROBLEDO 1	E	INTELSAT IBS 307E	-53.00													26/11/1992	15/02/1993
E		ROBLEDO MAD DSS 61	E	PIONEER-10	NGSO													03/08/1990	04/03/1972
E		ROBLEDO MAD DSS 61	E	PIONEER-6	NGSO													03/08/1990	16/12/1965
E		ROBLEDO MAD DSS 61	E	VOYAGER-1	NGSO													03/08/1990	20/08/1977
E		ROBLEDO MAD DSS 61	E	VOYAGER-2	NGSO													03/08/1990	20/08/1977

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E		ROBLEDO MAD DSS 63	E	PIONEER-10	NGSO													03/08/1990	04/03/1972
E		ROBLEDO MAD DSS 63	E	PIONEER-6	NGSO													03/08/1990	16/12/1965
E		ROBLEDO MAD DSS 63	E	VOYAGER-1	NGSO													03/08/1990	20/08/1977
E		ROBLEDO MAD DSS 63	E	VOYAGER-2	NGSO													03/08/1990	20/08/1977
E		ROBLEDO MAD DSS 65	E	PIONEER-10	NGSO													03/08/1990	04/03/1972
E		ROBLEDO MAD DSS 65	E	PIONEER-6	NGSO													03/08/1990	16/12/1965
E		ROBLEDO MAD DSS 65	E	VOYAGER-1	NGSO													03/08/1990	20/08/1977
E		ROBLEDO MAD DSS 65	E	VOYAGER-2	NGSO													03/08/1990	20/08/1977
E		ROBLEDO MAD DSS 66	E	ERBS	NGSO													03/08/1990	05/10/1984
USA		ROCKVILLE MD	USA	ASC-1	-128.00													25/04/1988	26/10/1985
IRN		ROODAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
EST		ROOSIKRANTSI2 TLN SA	EST	EUTELSAT 2-7E	7.00													08/11/1999	15/11/1999
MEX		ROSA BLANCA JAL	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		ROSA BLANCA JAL	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
USA		ROSMAN 1 NC	USA	ATS-5	-105.00													29/12/1972	12/08/1969
USA		ROSMAN 1 NC	USA	IMP-J	NGSO													11/12/1972	23/10/1973
USA		ROSMAN 2 NC	USA	ATS-5	-105.00													12/08/1972	12/08/1969
USA		ROSMAN NC	USA	ATS-5	-105.00													29/12/1972	12/08/1969
USA		ROSMAN NC	USA	IMP-J	NGSO													11/12/1972	23/10/1973
RUS		ROSTOV DON/SBS A	RUS	INTELSAT6 60E	60.00													16/06/1999	01/06/1998
E		ROTA	E	FLTSATCOM-C E ATL-1	-22.50													21/01/2002	01/12/1993
E		ROTA	E	FLTSATCOM-C E ATL-1	-22.50													21/01/2002	01/05/1997
ROU		ROU BUC 12	S	EUTELSAT 2-13E	13.00													06/09/1996	20/11/1995
MEX		RURAL MAESTRA	MEX	MORELOS 2	-116.80													08/07/1985	15/10/1985
F		RV DES PLUIES	REU	TELECOM-2A	-8.00													29/03/1999	05/05/1992
B		S ANTONIO DO ICA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
MEX		S B ZOOGOCHO OAX	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		S B ZOOGOCHO OAX	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
B		S BERNARDO	B	SBTS A1	-70.00													13/11/1984	19/05/1986
USA		S CHARLES IL	USA	ASC-1	-128.00													25/04/1988	26/10/1985
MEX		S DOMINGO CHIS	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		S DOMINGO CHIS	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
B		S FELIX DO ARAGUAIA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
USA		S FRANCISCO 1 CL	USA	FLTSATCOM E PAC	-100.00													19/11/1976	09/02/1978
USA		S FRANCISCO 1 CL	USA	FLTSATCOM W PAC	172.00													19/11/1976	03/11/1980
USA		S FRANCISCO CL	USA	FLTSATCOM E PAC	-100.00													01/06/1976	09/02/1978
USA		S FRANCISCO CL	USA	FLTSATCOM W PAC	172.00													01/06/1976	03/11/1980
B		S G CACHOEIRA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
B		S JOAO DOS PATOS	B	SBTS A1	-70.00													13/11/1984	19/05/1986
MEX		S LACHIGUIRI OAX	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		S LACHIGUIRI OAX	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
B		S LUIS RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		S LUIS RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		S P OLIVENCA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
USA		S PAULA CAL	USA	COMSTAR D-2	-95.00													20/10/1978	23/07/1976

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B		S PAULO	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		S PAULO ITAU	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		S PAULO RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
INS		S PENUH	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		S PENUH	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
RUS		S PETERBURG	RUS	EUTELSAT 2-10E	10.00													05/01/1994	20/01/1993
RUS		S PETERBURG GHY TES1	RUS	INTELSAT6 60E	60.00													18/11/1998	01/01/1997
B		S RAIMUNDO NONATO	B	SBTS A1	-70.00													13/11/1984	19/05/1986
E		S SEBASTIAN	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
B		S TEREZINHA	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		S.PETERBURG/SRB-01F2	RUS	INTELSAT7 66E	66.00													20/11/2000	01/07/1997
MEX		SABANILLAS CHIS	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		SABANILLAS CHIS	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
IRN		SAIDIYEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
J		SAIGOH A	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		SAIGOH B	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		SAIGOH C1	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		SAIGOH C2	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		SAIGOH D	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		SAIGOH KU 1.2M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		SAIGOH KU 5M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
E		SALAMANCA	E	EUTELSAT 1-3	7.00													06/11/1992	31/01/1993
RUS		SALEKHARD	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
IND		SALERAN	IND	INSAT-1B	74.00													08/05/1986	21/04/1986
IRN		SALMAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
B		SALVADOR RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		SALVADOR RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
AUT		SALZBURG MOENCHSBERG	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
AUT		SALZBURG MOENCHSBERG	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
INS		SAMPIT	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SAMPIT	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
YEM		SANAA	YEM	ARABSAT 1-B	26.00													14/08/1990	19/06/1985
INS		SANANA	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SANANA	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		SANANDAJ	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		SANGAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
INS		SANGGAU	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SANGGAU	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
E		SANTANDER	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
B		SANTAREM	B	SBTS A1	-70.00													13/11/1984	19/05/1986
E		SANTIAGO COMPOSTELA	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
RUS		SARATOV/JSC-03 F1	RUS	INTELSAT7 66E	66.00													25/05/1999	01/07/1997
IRN		SARGAZAHMADI	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
INS		SARMI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SARMI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987

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J		SASEBO (IOR)	J	INTELSAT6 60E	60.00													10/02/1997	11/01/1996
J		SASEBO (POR)	J	INTELSAT7 177E	177.00													10/02/1997	11/01/1996
CAN		SASKATOON 1	CAN	RADARSAT-1A	NGSO													09/10/1995	18/10/1995
CAN		SASKATOON 1	CAN	RADARSAT-1A	NGSO													09/10/1995	18/10/1995
RUS		SATCOM TERMINAL	RUS	EUTELSAT 2-10E	10.00													19/03/1998	01/02/1994
KOR		SATREC KAIST KOREA	KOR	KITSAT-2	NGSO													31/05/1994	01/09/1993
USA		SEATTLE WASH	USA	GOES WEST	-135.00													19/07/1976	06/02/1975
SYR		SEDNAYA	SYR	ARABSAT 1-B	26.00													16/09/1983	08/06/1988
MRC		SEHOUL 3	MRC	ARABSAT 1-B	26.00													07/08/1984	31/01/1987
INS		SEKAYU	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SEKAYU	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
INS		SEKUPANG	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		SEKUPANG	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		SEKUPANG	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
MEX		SENEAM HMO	MEX	MORELOS 1	-113.50													21/05/1986	15/03/1986
MEX		SENEAM HMO	MEX	MORELOS 2	-116.80													21/05/1986	15/03/1986
MEX		SENEAM MOCHIS	MEX	MORELOS 1	-113.50													21/05/1986	15/01/1986
MEX		SENEAM MOCHIS	MEX	MORELOS 2	-116.80													21/05/1986	15/01/1986
MEX		SENEAM MTY	MEX	MORELOS 1	-113.50													21/05/1986	30/06/1986
MEX		SENEAM MTY	MEX	MORELOS 2	-116.80													21/05/1986	30/06/1986
MEX		SENEAM MZT	MEX	MORELOS 1	-113.50													21/05/1986	15/01/1986
MEX		SENEAM MZT	MEX	MORELOS 2	-116.80													21/05/1986	15/01/1986
MEX		SENEAM RUSIAS	MEX	MORELOS 1	-113.50													21/05/1986	30/06/1986
MEX		SENEAM RUSIAS	MEX	MORELOS 2	-116.80													21/05/1986	30/06/1986
INS		SERUI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SERUI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
E		SEVILLA	E	HISPASAT-1	-30.00													28/03/1996	30/04/1995
E		SEVILLA 4A	E	INTELSAT IBS 307E	-53.00													17/02/1992	30/05/1992
BUL		SFIA 03	BUL	EUTELSAT 2-7E	7.00													21/10/1997	15/10/1997
IRN		SHAIKHAN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		SHAMILABAD	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
G		SHELL GANNET	G	EUTELSAT 1-3	7.00													22/05/1992	01/04/1992
CHN		SHENZHEN	CHN	INTELSAT5 INDOC4	66.00													10/03/1986	01/12/1986
IND		SHILLONG	IND	INSAT-1B	74.00													08/05/1986	21/04/1986
J		SHINJUKU	J	INTELSAT5 PAC3	180.00													22/04/1986	24/04/1986
J		SHINTOMURA	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		SHINTOMURA	J	JCSAT-2	154.00													05/05/1989	01/01/1990
IRN		SHIRABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		SHIRAZ	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
J		SHIRETOKO	J	INTELSAT7 177E	177.00													10/02/1997	11/01/1996
IRN		SHOHISHEH	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
INS		SIDODADI	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		SIDODADI	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		SIDODADI	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
IND		SIKANDARABAD	IND	INSAT-1B	74.00													25/01/1985	15/07/1984

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INS		SINABANG	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SINABANG	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
INS		SINGKIL	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SINGKIL	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
INS		SINJAI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SINJAI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
B		SINOP	B	SBTS A1	-70.00													13/11/1984	19/05/1986
INS		SINTANG	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SINTANG	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		SIRIK	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
IRN		SIRMAND	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
IRN		SIRY ISLAND	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
S		SKANOER	S	EUTELSAT 1-3	7.00													28/11/1989	01/03/1990
RUS		SKVORTCOV/STANDART-B	RUS	STATSIONAR-16	145.00													24/09/1999	01/08/1998
INS		SOASIO	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		SOASIO	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
RUS		SOCHI/SOC-01 F2	RUS	INTELSAT7 66E	66.00													25/02/2000	01/07/1997
BUL		SOFIA	BUL	MOLNIA-2	NGSO													18/09/1979	31/12/1977
KOR		SOHUKSANDO 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		SOHUKSANDO 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		SOHUKSANDO 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		SOHUKSANDO 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		SOHUKSANDO 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		SOHUKSANDO 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		SOKCHO 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		SOKCHO 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		SOKCHO 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		SOKCHO 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		SOKCHO 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		SOKCHO 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
RUS		SOLOVETSKI MT A	RUS	INTELSAT6 60E	60.00													16/12/1998	01/01/1998
BFA		SOMGANDE A	BFA	INTELSAT6 335.5E	24.50													24/01/1991	01/03/1991
USA		SOUTHBURY CONN	USA	COMSTAR D-2	-95.00													20/10/1978	23/07/1976
J		SOUYA	J	INTELSAT7 177E	177.00													10/02/1997	11/01/1996
RUS		SOV GAVAN/VSAT	RUS	STATSIONAR-21	103.00													09/05/2000	01/01/1996
RUS		S-P/TELEPORT S-Z KU	RUS	INTELSAT6 335.5E	-24.50													11/02/2000	01/01/1998
IND		SRIHARIKOTA	IND	IRS-1B	NGSO													22/02/1988	30/08/1991
IND		SRIHARIKOTA	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		SRIHARIKOTA	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
IND		SRIHARIKOTA-1	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		SRIHARIKOTA-1	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
IND		SRIINAGAR	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
CAN		ST HUBERT 1	CAN	RADARSAT-1A	NGSO													09/10/1995	18/10/1995
RUS		STANDART-F1	RUS	STATSIONAR-14	96.50													20/11/2000	15/11/1998
RUS		STANDART-F1	RUS	STATSIONAR-7	140.00													24/09/1999	01/12/1998

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RUS		STANDART-G/3.7	RUS	STATSIONAR-14	96.50													20/11/2000	15/11/1998
USA		STGT WHITE SANDS NM	USA	TDRS 174W	-174.00													28/08/1990	01/05/1990
USA		STGT WHITE SANDS NM	USA	TDRS 46W	-46.00													13/12/1993	13/01/1993
S		STI 1	S	INTELSAT5A CONT4	-1.00													11/03/1996	06/01/1991
RUS		STV-P	RUS	EUTELSAT 2-16E	16.00													06/11/2000	30/05/2000
USA		SUITLAND MD	USA	GOES WEST	-135.00													19/07/1976	06/02/1975
ETH		SULULTA	ETH	INTELSAT5 INDOC4	66.00													07/10/1988	15/10/1988
USA		SUNSET	HWA	COMSTAR D-2	-95.00													20/10/1978	23/07/1976
IND		SUNTLA	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
INS		SURABAYA	INS	PALAPA-B1	108.00													24/07/1979	30/10/1983
INS		SURABAYA	INS	PALAPA-B2	113.00													24/07/1979	30/06/1987
INS		SURABAYA	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
RUS		SURGUT	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
J		SUZUKA	J	APSTAR-4	76.50													07/09/1999	15/11/1999
S		SWE ERI 3	S	EUTELSAT 2-10E	10.00													08/03/1996	01/06/1992
S		SWE STO 3	S	EUTELSAT 2-7E	7.00													29/02/1996	01/12/1994
S		SWE USS 1	S	EUTELSAT 2-7E	7.00													18/01/1996	01/01/1993
AUS		SYDNEY	AUS	AUSSAT B 156E	156.00													22/05/1996	01/06/1995
AUS		SYDNEY	AUS	AUSSAT B 160E	160.00													22/05/1996	01/11/1992
AUS		SYDNEY NSW	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
AUS		SYDNEY NSW 1	AUS	AUSSAT A 164E	164.00													15/08/1984	13/06/1987
RUS		SYKTYVKAR	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
ARS		T1A	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T1B	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T1C	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T1D	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T3A	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T3B	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T3C	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T3D	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T4A	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T4B	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T4C	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
ARS		T4D	ARS	ARABSAT 1-B	26.00													21/07/1986	01/11/1986
B		TABATINGA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
USA		TABLE MOUNTAIN CA	USA	ACRIMSAT	NGSO													04/09/2000	21/12/1999
UZB		TACHKENT	UZB	STATSIONAR-20	70.00													04/01/1989	31/12/1990
UZB		TACHKENT	UZB	TOR-3	45.00													20/09/1989	01/07/1992
UZB		TACHKENT	UZB	TOR-4	85.00													26/09/1989	01/09/1992
KOR		TAEJEON 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		TAEJEON 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		TAEJEON 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		TAEJEON 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		TAEJON 1	KOR	KOSPAS	NGSO													07/09/1999	25/10/1995
KOR		TAEJON2	KOR	SAR	NGSO													07/09/1999	25/10/1995

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INS		TAKENGON	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		TAKENGON	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		TAKHTEDERAZ	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
INS		TANAHMERAH	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		TANAHMERAH	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
IRN		TANG	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
IRN		TANGISAR	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
INS		TANJUNGBALAI KARIMUN	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
INS		TANJUNGBALEI	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		TANJUNGBALEI	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		TANJUNGBATU	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		TANJUNGBATU	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
BRM		TANYIN	BRM	INTELSAT6 60E	60.00													29/03/1993	15/12/1993
INS		TAPAKTUAN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		TAPAKTUAN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
B		TAPAU	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IND		TAPCODEVIMANDIR	IND	INSAT-1B	74.00													25/01/1985	15/07/1984
B		TARAUACA	B	SBTS A1	-70.00													13/11/1984	01/02/1986
INS		TAREMPA	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983
INS		TAREMPA	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		TAREMPA	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
IRN		TAZEHABAD	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
RUS		TBC/MOSCOW3	RUS	INTELSAT6 332.5E	-27.50													06/10/1999	01/01/1998
RUS		TBS/MOSCOW	RUS	INTELSAT6 332.5E	-27.50													06/10/1999	01/01/1998
RUS		TCHITA	RUS	CSSRD-2	77.00													13/11/1986	10/05/1994
RUS		TCHITA	RUS	CSSRD-2	77.00													14/07/1994	10/05/1994
RUS		TCHITA	RUS	CSSRD-2	77.00													14/07/1994	10/05/1994
RUS		TCHITA	RUS	STATIONAR-1	80.00													03/02/1969	01/12/1970
RUS		TCHITA	RUS	VSSRD-2	167.00													12/10/1986	20/05/1994
RUS		TCHITA	RUS	VSSRD-2	167.00													14/07/1994	20/05/1994
RUS		TCHITA	RUS	VSSRD-2	167.00													14/09/1994	20/05/1994
RUS		TCHITA 1	RUS	CSSRD-2	77.00													14/07/1994	10/05/1994
RUS		TCHITA 1	RUS	CSSRD-2	77.00													28/06/1995	10/05/1994
RUS		TCHITA 1	RUS	VSSRD-2	167.00													14/07/1994	20/05/1994
RUS		TCHITA 1	RUS	VSSRD-2	167.00													28/06/1995	20/05/1994
B		TEFE	B	SBTS A1	-70.00													13/11/1984	19/05/1986
IRN		TEHRAN 1	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
S		TELE2 VSAT1	S	EUTELSAT 2-10E	10.00													29/01/1996	15/01/1993
S		TELE2 VSAT2	S	EUTELSAT 2-10E	10.00													29/01/1996	15/01/1993
ROU		TELECOM 1	ROU	EUTELSAT-1	10.00													02/03/1992	01/03/1992
ROU		TELECOM 1	ROU	EUTELSAT-1	10.00													02/03/1992	01/03/1992
MDA		TELECOM2	MDA	EUTELSAT 2-10E	10.00													12/02/1996	15/08/1995
MDA		TELECOM3	MDA	INTELSAT7 66E	66.00													04/01/2000	01/01/1999
MDA		TELEPORT	MDA	EUTELSAT 2-7E	7.00													12/02/1996	10/10/1995
INS		TEMBUNG	INS	PALAPA-B1	108.00													02/09/1981	30/10/1983

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INS		TEMBUNG	INS	PALAPA-B2	113.00													02/09/1981	30/06/1987
INS		TEMBUNG	INS	PALAPA-B3	118.00													14/07/1986	20/03/1990
E		TEMEJEREQUE	CNR	HISPASAT-1	-30.00													14/05/1996	30/07/1996
INS		TEMINABUAN	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		TEMINABUAN	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
B		TERESINA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		TES-TM/MOSCOW1	RUS	EUTELSAT 2-10E	10.00													06/10/1999	01/01/1998
RUS		TES-TM/MOSCOW3	RUS	INTELSAT7 342E	-18.00													06/10/1999	01/01/1998
RUS		TES-TM/MOSCOW4	RUS	INTELSAT6 60E	60.00													06/10/1999	01/01/1998
INS		TG REDEB	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		TG REDEB	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
G		THAMESSIDE 2	G	EUTELSAT 1-3	7.00													27/02/1989	01/04/1987
G		THAMESSIDE 2	G	EUTELSAT-1	10.00													27/02/1989	01/04/1987
G		THAMESSIDE 4	G	EUTELSAT 1-3	7.00													17/06/1992	26/06/1990
G		THAMESSIDE 5	G	EUTELSAT 1-3	7.00													25/09/1992	01/04/1990
ARG		TIBA TIB02F2	ARG	INTELSAT7 307E	-53.00													01/09/1998	01/11/1993
AUS		TIDBINBILA ACT	AUS	VOYAGER-2	NGSO													21/04/1978	01/07/1977
G		TIFFANY OIL PLATFORM	G	EUTELSAT 2-10E	10.00													28/08/1992	01/10/1992
MEX		TIJUANA 1 BCN	MEX	MORELOS 1	-113.50													08/07/1985	30/09/1985
MEX		TIJUANA 1 BCN	MEX	MORELOS 2	-116.80													08/07/1985	30/09/1985
MEX		TIXCANCAL	MEX	MORELOS 1	-113.50													03/06/1987	15/04/1987
MEX		TIXCANCAL	MEX	MORELOS 2	-116.80													03/06/1987	15/04/1987
INS		TOBELO	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		TOBELO	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
J		TOKYO	J	BS-3	110.00													09/03/1990	29/08/1990
J		TOKYO	J	INTELSAT5 PAC3	180.00													06/03/1987	24/12/1986
J		TOKYO	J	JAS-2	NGSO													13/05/1996	17/08/1996
J		TOKYO 6	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		TOKYO 6	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		TOKYO 7	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		TOKYO 7	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
J		TOKYO 8	J	SUPERBIRD-A	158.00													03/01/1989	01/04/1989
J		TOKYO 8	J	SUPERBIRD-B	162.00													03/01/1989	27/02/1992
INS		TOLI TOLI	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		TOLI TOLI	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
MEX		TOPIA DGO	MEX	MORELOS 1	-113.50													09/09/1986	15/06/1986
MEX		TOPIA DGO	MEX	MORELOS 2	-116.80													09/09/1986	15/06/1986
J		TORANOMON	J	INTELSAT5 PAC3	180.00													22/04/1986	24/04/1986
IRN		TORENG	IRN	INTELSAT5 INDOC4	66.00													06/02/1990	30/06/1990
E		TORRECOLLSEROLA	E	HISPASAT-1	-30.00													14/05/1996	30/07/1996
F		TOULOUSE SAR	F	KOSPAS	NGSO													16/01/1989	19/07/1985
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	18/05/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	21/05/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	16/06/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	17/06/1986

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	19/06/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	22/06/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	25/06/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	29/06/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	30/06/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	19/08/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	26/08/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	20/12/1986
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	21/03/1987
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	02/04/1987
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	20/04/1987
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	16/06/1987
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	26/07/1987
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	27/07/1987
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	23/11/1987
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	26/11/1987
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	22/02/1988
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	22/03/1988
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	06/06/1988
UAE		TOWI AL SAMAN	UAE	ARABSAT 1-B	26.00													05/03/1990	08/06/1988
IND		TRIVANDRUM	IND	IRS	NGSO													22/02/1988	31/03/1988
IND		TRIVANDRUM	IND	SEO BHASKARA-1	NGSO													16/05/1979	31/05/1979
IND		TRIVANDRUM	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
IND		TRIVANDRUM-1	IND	SEO BHASKARA-2	NGSO													25/05/1983	25/04/1983
F		TROU BIRAN	GUF	TELECOM-2A	-8.00													04/05/1994	05/05/1992
E		TSA 2	E	HISPASAT-1	-30.00													19/03/1998	30/06/1998
E		TSA 3	E	HISPASAT-1	-30.00													03/10/1997	31/05/1998
E		TSA 4	E	HISPASAT-1	-30.00													19/03/1998	30/06/1998
E		TSS 4	E	HISPASAT-1	-30.00													03/02/1998	30/04/1998
B		TTC2	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		TTC3	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		TUCURUI	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		TURIACU	B	SBTS A1	-70.00													13/11/1984	19/05/1986
MEX		TUXTLA GUTIERR RURAL	MEX	MORELOS 1	-113.50													13/08/1985	15/10/1985
MEX		TUXTLA GUTIERR RURAL	MEX	MORELOS 2	-116.80													13/08/1985	15/10/1985
S		TV4 STO 1	S	TELE-X	5.00													01/03/1996	02/05/1994
DNK		TYRA 02G	DNK	INTELSAT6 325.5E	-34.50													10/07/1997	01/11/1994
B		UBERLANDIA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
B		UBERLANDIA RTB	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		ULAN UDE	RUS	STATIONAR-1	80.00													03/02/1969	01/12/1970
KOR		ULRUNGDO 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		ULRUNGDO 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		ULRUNGDO 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		ULRUNGDO 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		ULRUNGDO 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996

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KOR		ULRUNGDO 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
IND		URAN	IND	INSAT-1B	74.00													19/03/1986	01/02/1986
B		URUCUI	B	SBTS A1	-70.00													13/11/1984	19/05/1986
D		USINGEN	D	EUTELSAT-1	10.00													26/03/1986	01/05/1984
D		USINGEN 14	D	INTELSAT6 325.5E	-34.50													12/01/1994	01/01/1993
D		USINGEN 15	D	EUTELSAT 2-10E	10.00													12/01/1994	01/03/1993
D		USINGEN 15A	D	EUTELSAT 2-10E	10.00													12/01/1994	01/03/1993
D		USINGEN 4Z	D	INTELSAT6 60E	60.00													12/01/1994	01/01/1993
D		USINGEN 5	D	EUTELSAT 2-13E	13.00													12/01/1994	01/03/1993
D		USINGEN 5A	D	EUTELSAT 2-13E	13.00													12/01/1994	01/03/1993
RUS		USINSK/SATNET	RUS	INTELSAT6 60E	60.00													13/09/1999	01/01/1999
J		USUDA	J	MUSES-B	NGSO													12/02/1997	12/02/1997
E		VALLADOLID	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
USA		VALLEJO CA	USA	ASC-1	-128.00													25/04/1988	26/10/1985
USA		VANDENBERG 1 CA	USA	CRRES	NGSO													16/11/1989	15/07/1990
USA		VANDENBERG 1 CA	USA	SPACE SHUTTLE	NGSO													07/09/1993	22/12/1983
USA		VANDENBERG 1 CA	USA	USGCSS PH3 W PAC	175.00													01/10/1993	19/09/1992
USA		VANDENBERG 1 CAL	USA	USGCSS PH3 E PAC-2	-130.00													29/03/1996	01/07/1992
USA		VANDENBERG 1 CAL	USA	USGCSS PH3B E PAC	-135.00													29/03/1996	01/07/1992
USA		VANDENBERG 2 CA	USA	CRRES	NGSO													16/11/1989	15/07/1990
USA		VANDENBERG 2 CA	USA	USGCSS PH3 W PAC	175.00													01/10/1993	19/09/1992
USA		VANDENBERG 2 CAL	USA	USGCSS PH3 E PAC-2	-130.00													29/03/1996	01/07/1992
USA		VANDENBERG 2 CAL	USA	USGCSS PH3B E PAC	-135.00													29/03/1996	01/07/1992
USA		VANDENBERG 3 CA	USA	CRRES	NGSO													16/11/1989	15/07/1990
USA		VANDENBERG CA	USA	CRRES	NGSO													16/11/1989	15/07/1990
USA		VANDENBERG CA	USA	SPACE SHUTTLE	NGSO													07/09/1993	22/12/1983
RUS		VANKAREM/KROSNA-MA	RUS	STATSIONAR-7	140.00													21/01/2000	01/01/1998
USA		VERNON VALLEY NJ	USA	ASC-1	-128.00													25/04/1988	26/10/1985
IRN		VIDOJ	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
E		VIGO	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
E		VITORIA	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
B		VITORIA RGT	B	SBTS A1	-70.00													13/11/1984	19/05/1986
RUS		VLADIKAVKAZ/MIR-R	RUS	INTELSAT6 60E	60.00													11/02/2000	01/05/1998
RUS		VLADIVOST/SBERCOM-T	RUS	EXPRESS-6	80.00													06/11/2000	01/01/1998
RUS		VLADIVOSTOK VSAT	RUS	STATSIONAR-21	103.00													16/12/1998	01/01/1996
RUS		VLADIVOSTOK/ST-B	RUS	STATSIONAR-7	140.00													20/11/2000	31/12/1997
LTU		VLNS 01	LTU	EUTELSAT 2-7E	7.00													22/09/1994	01/01/1994
LTU		VLNS 01	LTU	EUTELSAT 2-7E	7.00													22/09/1994	01/01/1994
POL		VST BEL 8POL	POL	EUTELSAT 2-7E	7.00													12/09/1994	12/05/1992
USA		WAHIAWA	HWA	FLTSATCOM E PAC	-100.00													01/06/1976	09/02/1978
USA		WAHIAWA	HWA	FLTSATCOM W PAC	172.00													01/06/1976	03/11/1980
USA		WAHIAWA 1	HWA	FLTSATCOM E PAC	-100.00													19/11/1976	09/02/1978
USA		WAHIAWA 1	HWA	FLTSATCOM W PAC	172.00													19/11/1976	03/11/1980
INS		WAIKABUBAK	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		WAIKABUBAK	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
J		WAJIMA	J	BS-3	110.00													09/03/1990	29/08/1990
J		WAJIMA	J	INTELSAT7 177E	177.00													10/02/1997	11/01/1996
J		WAJIMA 1	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 1	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAJIMA 1	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA 1	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAJIMA 10	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAJIMA 10	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAJIMA 2	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 2	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAJIMA 2	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA 2	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAJIMA 3	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 3	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAJIMA 3	J	JCSAT-2	154.00													12/06/1995	07/03/1989
J		WAJIMA 3	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA 3	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAJIMA 4	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 4	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAJIMA 4	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA 4	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAJIMA 5	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 5	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAJIMA 5	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA 5	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAJIMA 6	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 6	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAJIMA 6	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA 6	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAJIMA 7	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 7	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAJIMA 7	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA 7	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAJIMA 8	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 8	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA 9	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAJIMA 9	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAJIMA A	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAJIMA B	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAJIMA C1	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAJIMA C2	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAJIMA D	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAJIMA KU 1.2M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		WAJIMA KU 5M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		WAKKANAI	J	BS-3	110.00													09/03/1990	29/08/1990
J		WAKKANAI 10	J	JCSAT-1	150.00													22/08/1988	07/03/1989

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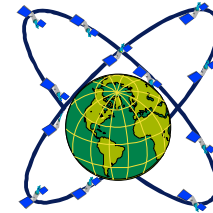
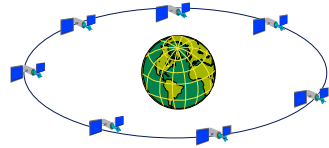
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J		WAKKANAI 10	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAKKANAI 10	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 10	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAKKANAI 11	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAKKANAI 11	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAKKANAI 11	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 11	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAKKANAI 12	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAKKANAI 12	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAKKANAI 12	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 12	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAKKANAI 13	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAKKANAI 13	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAKKANAI 13	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 13	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAKKANAI 14	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAKKANAI 14	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAKKANAI 14	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 14	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAKKANAI 15	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAKKANAI 15	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAKKANAI 15	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 15	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAKKANAI 16	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAKKANAI 16	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAKKANAI 16	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 16	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAKKANAI 17	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAKKANAI 17	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 18	J	JCSAT-1	150.00													22/08/1988	07/03/1989
J		WAKKANAI 18	J	JCSAT-2	154.00													05/05/1989	01/01/1990
J		WAKKANAI 19	J	JCSAT-1	150.00													12/06/1995	07/03/1989
J		WAKKANAI 19	J	JCSAT-2	154.00													12/06/1995	01/01/1990
J		WAKKANAI A	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAKKANAI B	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAKKANAI C1	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAKKANAI C2	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAKKANAI D	J	SUPERBIRD-B	162.00													28/02/1997	01/02/1992
J		WAKKANAI KU 1.2M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
J		WAKKANAI KU 5M	J	N-SAT-146	144.00													10/02/1997	28/07/1997
USA		WALLOPS I VA	USA	GOES EAST	-75.00													27/04/1972	16/05/1974
USA		WALLOPS I VA	USA	GOES WEST	-135.00													19/07/1976	06/02/1975
USA		WALLOPS I VA	USA	GOES WEST	-135.00													19/07/1976	06/02/1976
USA		WALLOPS I VA	USA	GOES WEST	-135.00													19/07/1976	06/02/1975
USA		WALLOPS ISLAND VA	USA	COMET	NGSO													20/07/1992	01/10/1994

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
USA		WALLOPS ISLAND VA	USA	SAMPEX	NGSO													17/02/1993	03/07/1992
POL		WARSAW 2 EBU	POL	EUTELSAT 2-7E	7.00													10/05/1994	30/03/1993
POL		WARSZAWA 02G	POL	INTELSAT6 335.5E	-24.50													20/06/1994	18/11/1992
POL		WARSZAWA 3	POL	EUTELSAT 2-10E	10.00													20/06/1994	03/12/1993
INS		WATAMPONE	INS	PALAPA-B1	108.00													22/02/1982	30/10/1983
INS		WATAMPONE	INS	PALAPA-B2	113.00													22/02/1982	30/06/1987
NZL		WELLINGTON	NZL	INTELSAT5 PAC3	180.00													22/08/1988	20/03/1986
NZL		WELLINGTON	NZL	KOSPAS	NGSO													03/07/2000	19/06/1992
NZL		WELLINGTON	NZL	SAR	NGSO													03/07/2000	19/06/1992
USA		WHITE SANDS NM	USA	TDRS 62W	-62.00													21/05/1991	02/08/1991
USA		WHITE SANDS NM	USA	TDRS-C2	-79.00													21/10/1991	13/03/1989
G		WHITEHILL 2	G	INTELSAT5 INDOC4	66.00													20/11/1991	01/06/1986
G		WHITEHILL 4A	G	INTELSAT6 60E	60.00													09/04/1992	01/02/1988
G		WHITEHILL 5A	G	INTELSAT5A CONT2	-50.00													09/04/1992	01/04/1988
KOR		WIDO 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		WIDO 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		WIDO 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		WIDO 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		WIDO 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		WIDO 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
AUT		WIEN ARSENAL	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
AUT		WIEN ARSENAL	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
AUT		WIEN ARSENAL 1	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
AUT		WIEN ARSENAL 1	AUT	EUTELSAT 1-3	7.00													25/04/1989	01/07/1987
USA		WSGT WHITE SANDS NM	USA	TDRS 174W	-174.00													28/08/1990	01/05/1990
USA		WSGT WHITE SANDS NM	USA	TDRS 46W	-46.00													13/12/1993	13/01/1993
CHN		WUHAN-0.5M(KU)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
CHN		WUHAN-1.2M(KU)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
CHN		WUHAN-1.5M(C)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
CHN		WUHAN-2.4M(C)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
CHN		WULUMUQI-1.2M(KU)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
CHN		WULUMUQI-2.4M(C)	CHN	CHINASAT-6	110.50													28/06/2000	18/07/1998
J		YAMAGUCHI IDC	J	INTELSAT5 INDOC4	66.00													21/03/1989	01/07/1989
IRN		YAZDAN	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
CAN		YELLOWKNIFE 1	CAN	HIBLEO-2FL	NGSO													03/01/1997	05/06/1997
CAN		YELLOWKNIFE 2	CAN	HIBLEO-2FL	NGSO													03/01/1997	05/06/1997
CAN		YELLOWKNIFE 3	CAN	HIBLEO-2FL	NGSO													03/01/1997	05/06/1997
CAN		YELLOWKNIFE 4	CAN	HIBLEO-2FL	NGSO													03/01/1997	05/06/1997
KOR		YEOJU-D01	KOR	HIBLEO-4FL	NGSO													27/10/1999	01/08/1998
KOR		YEOJU-D02	KOR	HIBLEO-4FL	NGSO													27/10/1999	01/08/1998
KOR		YEOJU-D03	KOR	HIBLEO-4FL	NGSO													27/10/1999	01/08/1998
KOR		YEOJU-D04	KOR	HIBLEO-4FL	NGSO													27/10/1999	01/08/1998
KOR		YEOSU 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		YEOSU 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		YEOSU 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996

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Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	a	b	c	d	e	f	g	h	i	j	k	l	D_prot_eff	D_inuse
KOR		YEOSU 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		YEOSU 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		YEOSU 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
J		YONAGUNI	J	BS-3	110.00													09/03/1990	29/08/1990
KOR		YONGIN 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		YONGIN 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		YONGIN 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		YONGIN 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		YOUNGIL 1	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		YOUNGIL 1	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		YOUNGIL 2	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		YOUNGIL 2	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
KOR		YOUNGIL 3	KOR	KOREASAT-1	116.00													06/06/1995	05/02/1996
KOR		YOUNGIL 3	KOR	KOREASAT-2	113.00													06/06/1995	06/05/2000
IRN		ZAHEDAN	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
RUS		ZAIARSK	RUS	MOLNIA-2	NGSO													03/02/1969	01/12/1970
IRN		ZARABAD	IRN	INTELSAT5 INDOC4	66.00													11/04/1988	30/01/1989
E		ZARAGOZA	E	EUTELSAT 1-3	7.00													03/08/1988	01/10/1988
IRN		ZAVIEH	IRN	INTELSAT5 INDOC4	66.00													20/03/1986	22/06/1986
RUS		ZHELEZNOGORSK/VSAT	RUS	EUTELSAT 2-7E	7.00													24/12/1999	01/01/1998



SECTION A8

LISTE DE NOTIFICATIONS DE RESEAUX SPATIAUX REÇUES ET PUBLIÉES DANS LA PARTIE I-S DE LA CIRCULAIRE HEBDOMADAIRE/BR IFIC (SERVICES SPATIAUX), POUR LESQUELLES LES RENSEIGNEMENTS ONT ÉTÉ COMMUNIQUÉS EN APPLICATION DES DISPOSITIONS DE L'ARTICLE 11 DU RÈGLEMENT DES RADIOCOMMUNICATIONS

A8 节

根据《无线电规则》第 11 条的规定，已收到、并在 WIC/BR IFIC（空间业务）I-S 部分中公布了相关信息的空间网络通知的清单

SECTION A8

LIST OF NOTIFICATIONS OF SPACE NETWORKS RECEIVED AND PUBLISHED IN PART I-S OF THE WIC/BR IFIC (SPACE SERVICES), INFORMATION FOR WHICH HAS BEEN COMMUNICATED IN APPLICATION OF THE PROVISIONS OF ARTICLE 11 OF THE RADIO REGULATIONS

РАЗДЕЛ А8

СПИСОК ЗАЯВЛЕНИЙ КОСМИЧЕСКИХ СЕТЕЙ, ПОЛУЧЕННЫХ И ОПУБЛИКОВАННЫХ В ЧАСТИ I-S ЕЖЕНЕДЕЛЬНОГО ЦИРКУЛЯРА/ИФИК БР (КОСМИЧЕСКИЕ СЛУЖБЫ), СВЕДЕНИЯ ПО КОТОРЫМ БЫЛИ СООБЩЕНЫ В ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ СТАТЬИ 11 РЕГЛАМЕНТА РАДИОСВЯЗИ

SECCIÓN A8

LISTA DE NOTIFICACIONES DE REDES ESPACIALES RECIBIDAS Y PUBLICADAS EN LA PARTE I-S DE LA CIRCULAR SEMANAL/BR IFIC (SERVICIOS ESPACIALES) SOBRE LAS CUALES SE HA COMUNICADO INFORMACIÓN EN APLICACIÓN DE LAS DISPOSICIONES DEL ARTÍCULO 11 DEL REGLAMENTO DE RADIOCOMUNICACIONES

القسم A8

قائمة التبليغات عن الشبكات الفضائية التي تم استلامها ونشرها في الجزء I-S من النشرة الأسبوعية/النشرة الإعلامية الدولية للترددات الصادرة عن مكتب الاتصالات الراديوية (BR IFIC) (الخدمات الفضائية) والتي تم إرسال المعلومات الخاصة بها تطبيقاً للمادة 11 من لوائح الراديو.

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Act_code	Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	a	b	c	d	e	f	g	h	i	j	k	l	D_inuse	D_wic_1a	Wic_no_1a
M	RUS		EXPRESS-6B	80.00	08/08/2012													21/04/2006	24/03/2009	2640
M	RUS		EXPRESS-6B	80.00	08/08/2012													21/04/2006	12/01/2010	2660
M	RUS		EXPRESS-6B	80.00	08/08/2012													21/04/2006	25/01/2011	2686
M	RUS		EXPRESS-6B	80.00	08/08/2012													21/04/2006	26/07/2011	2699
M	RUS		EXPRESS-6B	80.00	08/08/2012													21/04/2006	01/05/2012	2718
M	RUS		EXPRESS-6B	80.00	08/08/2012													21/04/2006	04/09/2012	2727
M	D		GENESIS-9	63.00	13/08/2012													12/10/2009	02/11/2010	2681
M	D		GENESIS-9	63.00	13/08/2012													12/10/2009	07/02/2012	2712
M	D		GENESIS-9	63.00	13/08/2012													12/10/2009	13/11/2012	2732
M	J		BSAT-109.85	109.85	30/01/2015													01/08/2000	04/11/2003	2506
M	J		BSAT-109.85	109.85	30/01/2015													01/08/2000	14/07/2009	2648
M	J		BSAT-109.85	109.85	30/01/2015													01/08/2000	14/06/2011	2696
M	J		BSAT-109.85	109.85	30/01/2015													05/02/2016	13/10/2015	2805
M	J		BSAT-110	110.00	30/01/2015													01/08/2000	07/10/2003	2504
M	J		BSAT-110	110.00	30/01/2015													01/08/2000	14/07/2009	2648
M	J		BSAT-110	110.00	30/01/2015													01/08/2000	14/06/2011	2696
M	J		BSAT-110	110.00	30/01/2015													05/02/2016	13/10/2015	2805
M	J		TAIKI-109.65	109.65	30/01/2015													03/03/2001	08/02/2011	2687
M	J		TAIKI-109.65	109.65	30/01/2015													03/03/2001	13/12/2011	2709
M	J		TAIKI-109.65	109.65	30/01/2015													15/05/2006	08/02/2011	2687
M	J		TAIKI-109.65	109.65	30/01/2015													05/02/2016	13/10/2015	2805
A	USA		USABSS-30	-110.00	28/04/2016													30/12/2015	21/03/2017	2841
A	IND		INSAT-NAVR-GS	NGSO	20/12/2016													21/08/2016	29/05/2018	2871
M	USA		USASAT-30A	NGSO	25/04/2017													15/09/2016	29/05/2018	2871
A	F		F-SAT-N-E-25.5E	25.50	17/07/2017													15/02/2016	05/03/2019	2890
M	CHN		FY-3-A	NGSO	07/10/2017													15/11/2017	22/01/2019	2887
M	CHN		FY-3-A	NGSO	07/10/2017													15/11/2017	19/02/2019	2889
M	AUS		AUSSAT C 156E FSS	156.00	27/10/2017													01/01/2002	14/05/2013	2744
M	AUS		AUSSAT C 156E FSS	156.00	27/10/2017													16/07/2003	14/05/2013	2744
M	AUS		AUSSAT C 156E FSS	156.00	27/10/2017													04/01/2015	28/11/2017	2859
A	CHN		CHINASAT-DL5	115.50	06/11/2017													05/07/2007	03/04/2018	2867
A	KOR		KOREASAT-116K	116.00	05/02/2018													04/06/2017	15/05/2018	2870
A	J		NBSAT-21BX	109.85	06/02/2018													06/02/2021	12/06/2018	2872
A	BUL		BULSAT-1.9E	1.90	08/02/2018													22/06/2018	12/06/2018	2872
M	RUS		RST-1A	36.00	28/02/2018													01/02/2016	09/01/2018	2861
M	RUS		RST-1A	36.00	28/02/2018													01/02/2016	17/04/2018	2868
A	RUS		RST-2A	56.00	28/02/2018													01/02/2016	17/04/2018	2868
A	USA		IRIS-1A	-105.00	05/03/2018													27/11/2017	15/05/2018	2870
A	ARS	ARB	ARABSAT 7A-30.5E	30.50	12/03/2018													20/10/2015	15/05/2018	2870
A	ARS	ARB	ARABSAT 7A-30.5E	30.50	12/03/2018													10/03/2019	15/05/2018	2870
A	PNG		NEW DAWN 25	-50.00	26/03/2018													09/05/2016	29/05/2018	2871
A	PAK		PAKSAT-MM1-38.2E	38.20	26/03/2018													01/03/2018	29/05/2018	2871
A	AUS		AUS-NBN-4	145.00	28/03/2018													22/11/2016	05/03/2019	2890
A	IND		INSAT-NAVR (129.5)	129.50	28/03/2018													08/05/2016	12/06/2018	2872
A	J		N-SAT2-93E	93.00	30/03/2018													25/02/2017	21/08/2018	2877

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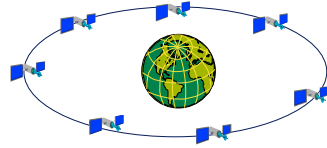
Act_code	Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	a	b	c	d	e	f	g	h	i	j	k	l	D_inuse	D_wic_1a	Wic_no_1a
A	J		N-SAT2-93E	93.00	30/03/2018													15/12/2018	21/08/2018	2877
A	J		N-SAT-Y12-150E	150.00	30/03/2018													23/08/2016	22/01/2019	2887
A	J		N-SAT-Y12-150E	150.00	30/03/2018													10/02/2019	22/01/2019	2887
M	HOL		NSS-G3-8	-47.50	05/04/2018													24/06/2015	31/10/2017	2857
M	HOL		NSS-G3-8	-47.50	05/04/2018													24/06/2015	29/05/2018	2871
A	F		AST-NG-NC-CL1	NGSO	09/04/2018													01/03/2021	12/06/2018	2872
A	PNG		RAGGIANA-18	-117.00	23/04/2018													13/01/2017	12/06/2018	2872
A	CAN		COMMSPELLATION	NGSO	27/04/2018													16/04/2018	18/09/2018	2879
A	CHN		CHINASAT-CL11	163.00	28/04/2018													19/09/2016	19/03/2019	2891
A	CHN		CHINASAT-CL11	163.00	28/04/2018													13/11/2016	19/03/2019	2891
A	USA		USASAT-55N	85.00	30/04/2018													19/09/2016	12/06/2018	2872
A	J		N-SAT-Y12-128E	128.00	14/05/2018													10/02/2019	12/06/2018	2872
A	ALG		ALCOMSAT-24.8W	-24.80	17/05/2018													18/12/2017	26/06/2018	2873
M	B		B-SAT-3A-2 TT&C	-44.90	05/06/2018													30/03/2017	09/01/2018	2861
M	B		B-SAT-3A-2 TT&C	-44.90	05/06/2018													30/03/2017	10/07/2018	2874
A	THA		THAICOM-P3	119.50	05/06/2018													07/06/2018	21/08/2018	2877
A	HOL		NSS-G4-22	50.50	03/07/2018													28/06/2015	21/08/2018	2877
A	HOL		NSS-G4-22	50.50	03/07/2018													30/03/2018	21/08/2018	2877
A	USA		USABSS-31 TTC	-119.00	03/07/2018													20/04/2010	07/08/2018	2876
A	F		AST-NG-NC-CL2	NGSO	18/07/2018													21/06/2021	04/09/2018	2878
A	F		F-SAT-T-E-13E	13.00	26/07/2018													17/03/2016	04/09/2018	2878
A	F		F-SAT-T-E-36E	36.00	26/07/2018													06/01/2010	04/09/2018	2878
A	F		F-SAT-T-E-9E	9.00	26/07/2018													08/03/2016	04/09/2018	2878
A	CHN		CHNBSAT-101.4E-TTC	101.40	01/08/2018													01/05/2017	22/01/2019	2887
A	CHN		CHNBSAT-101.4E-TTC	101.40	01/08/2018													20/01/2020	22/01/2019	2887
M	TUR		TURKSAT-50E-B	50.00	10/08/2018													23/02/2014	15/03/2016	2815
M	TUR		TURKSAT-50E-B	50.00	10/08/2018													23/02/2014	16/10/2018	2881
A	NOR		SE-KA-63E	63.00	21/08/2018													01/07/2014	16/10/2018	2881
M	BUL		BULSAT-BSS-1.2W-W	1.90	11/09/2018													04/11/2018	12/12/2017	2860
M	BUL		BULSAT-BSS-1.2W-W	1.90	11/09/2018													04/11/2018	22/01/2019	2887
M	RUS		GLONASS-M	NGSO	13/09/2018													26/12/2004	15/05/2007	2594
M	RUS		GLONASS-M	NGSO	13/09/2018													22/01/2006	15/05/2007	2594
M	RUS		GLONASS-M	NGSO	13/09/2018													17/01/2009	02/06/2009	2645
M	RUS		GLONASS-M	NGSO	13/09/2018													01/12/2014	27/11/2018	2884
M	RUS		GLONASS-M	NGSO	13/09/2018													15/02/2016	26/06/2018	2873
M	RUS		GLONASS-M	NGSO	13/09/2018													15/02/2016	27/11/2018	2884
A	LIE		3ECOM-3	NGSO	14/09/2018													12/09/2021	27/11/2018	2884
A	CHN		DFH-5-01A	94.20	14/09/2018													31/08/2018	13/11/2018	2883
A	G		INMARSAT-KA 83.5E	83.50	21/09/2018													08/08/2017	13/11/2018	2883
M	RUS		GOMS-166E	165.80	24/09/2018													28/11/2018	10/07/2018	2874
M	RUS		GOMS-166E	165.80	24/09/2018													28/11/2018	27/11/2018	2884
A	HOL		NSS-G4-6	-131.00	02/10/2018													19/12/2017	27/11/2018	2884
A	B		B-SAT-1R-1	-65.00	04/10/2018													01/11/2016	22/01/2019	2887
A	I		ALPHASAT TDP5	25.00	09/10/2018													31/07/2013	19/02/2019	2889
A	USA		IXPE	NGSO	17/10/2018													01/05/2021	11/12/2018	2885

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Act_code	Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	a	b	c	d	e	f	g	h	i	j	k	l	D_inuse	D_wic_1a	Wic_no_1a
A	D		S-NET1	NGSO	19/10/2018													01/02/2018	22/01/2019	2887
M	UAE		YAHSAT-G6-17.5W	-17.50	25/10/2018													10/09/2017	26/06/2018	2873
M	UAE		YAHSAT-G6-17.5W	-17.50	25/10/2018													10/09/2017	27/11/2018	2884
A	ARS	ARB	ARABSAT 8G-11E	11.00	27/10/2018													30/08/2018	22/01/2019	2887
A	J		N-SAT-Y12-144E	144.00	30/10/2018													01/03/2019	22/01/2019	2887
M	G		ESAT-5	33.00	09/11/2018													24/01/2015	29/05/2018	2871
M	G		ESAT-5	33.00	09/11/2018													24/01/2015	11/12/2018	2885
A	CAN		CANSAT (107.3W) -L	-107.30	15/11/2018													10/10/2015	22/01/2019	2887
M	CHN		DFH-4-OAF	155.00	15/11/2018													15/09/2015	06/03/2018	2865
M	CHN		DFH-4-OAF	155.00	15/11/2018													15/09/2015	19/03/2019	2891
M	RUS		GEO-IK-2	NGSO	15/11/2018													01/09/1998	07/06/2016	2821
M	RUS		GEO-IK-2	NGSO	15/11/2018													01/09/1998	18/04/2017	2843
M	RUS		GEO-IK-2	NGSO	15/11/2018													15/12/2015	07/06/2016	2821
M	RUS		GEO-IK-2	NGSO	15/11/2018													15/12/2015	09/01/2018	2861
M	RUS		GEO-IK-2	NGSO	15/11/2018													15/12/2015	19/03/2019	2891
M	F		F-SAT-N-14.5E	14.50	20/11/2018													02/01/2012	12/06/2018	2872
M	F		F-SAT-N-14.5E	14.50	20/11/2018													02/01/2012	19/03/2019	2891
A	F		F-SAT-N-E-36E	36.00	20/11/2018													15/02/2016	05/02/2019	2888
M	PNG		NEW DAWN 35	-50.00	20/11/2018													12/09/2017	16/10/2018	2881
M	PNG		NEW DAWN 35	-50.00	20/11/2018													12/09/2017	19/03/2019	2891
A	G		IOMSAT-KA-63W-R	-63.00	22/11/2018													11/08/2018	05/02/2019	2888
A	LUX		LUX-G7-14	55.00	22/11/2018													11/08/2016	19/02/2019	2889
M	B		SISCOMIS-4A	-75.00	23/11/2018													11/06/2017	16/10/2018	2881
M	B		SISCOMIS-4A	-75.00	23/11/2018													11/06/2017	05/02/2019	2888
A	CHN		APSTAR-76E-R	76.50	26/11/2018													07/04/2015	19/02/2019	2889
A	G		IOMSAT-2A2	-15.00	27/11/2018													01/01/2016	05/02/2019	2888
M	USA		USNN-5	170.00	30/11/2018													09/07/2017	04/09/2018	2878
M	USA		USNN-5	170.00	30/11/2018													09/07/2017	19/03/2019	2891
A	CHN		TIANQI	NGSO	05/12/2018													30/09/2018	19/02/2019	2889
A	CHN		CHINASAT-A5	87.50	11/12/2018													23/11/2015	19/02/2019	2889
A	F		CELESTA	NGSO	12/12/2018													01/07/2018	19/02/2019	2889
A	F		CELESTA	NGSO	12/12/2018													15/01/2019	19/02/2019	2889
A	F		MT-CUBE	NGSO	12/12/2018													06/09/2018	19/02/2019	2889
M	B		SISCOMIS-2A	-65.00	13/12/2018													06/09/2011	02/10/2018	2880
M	B		SISCOMIS-2A	-65.00	13/12/2018													06/09/2011	05/02/2019	2888
M	B		SISCOMIS-3A	-70.00	13/12/2018													06/09/2011	02/10/2018	2880
M	B		SISCOMIS-3A	-70.00	13/12/2018													06/09/2011	05/02/2019	2888
A	G		GIBSAT-72.5W	-72.50	17/12/2018													03/07/2017	05/02/2019	2888
A	KOR		KOREASAT-113K	113.00	20/12/2018													28/11/2017	05/03/2019	2890
M	RUS		GALS-10	128.00	21/12/2018													20/10/1994	19/03/2013	2740
M	RUS		GALS-10	128.00	21/12/2018													28/12/2018	19/02/2019	2889
A	RUS		RST-5	140.00	25/12/2018													01/02/2019	05/03/2019	2890
A	CHN		CTDRS-2-80E	80.00	28/12/2018													30/03/2019	05/03/2019	2890
A	ARG		ARSAT-D	-81.00	02/01/2019													29/09/2018	19/02/2019	2889
M	CHN		CTDRS-2-16.8E	16.80	09/01/2019													25/07/2012	19/03/2013	2740

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Act_code	Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	a	b	c	d	e	f	g	h	i	j	k	l	D_inuse	D_wic_1a	Wic_no_1a
M	CHN		CTDRS-2-16.8E	16.80	09/01/2019													25/07/2012	18/03/2014	2765
M	CHN		CTDRS-2-16.8E	16.80	09/01/2019													30/07/2012	19/03/2019	2891
M	CHN		FYGEOSAT-112E	112.00	09/01/2019													13/01/2012	16/10/2018	2881
M	CHN		FYGEOSAT-112E	112.00	09/01/2019													13/01/2012	05/03/2019	2890
M	CHN		FYGEOSAT-123.5E	123.50	09/01/2019													12/06/2015	16/10/2018	2881
M	CHN		FYGEOSAT-123.5E	123.50	09/01/2019													12/06/2015	05/03/2019	2890
M	CHN		FYGEOSAT-86.5E	86.50	09/01/2019													03/06/2015	16/10/2018	2881
M	CHN		FYGEOSAT-86.5E	86.50	09/01/2019													03/06/2015	05/03/2019	2890
A	DNK		DELPHINI-1	NGSO	18/01/2019													14/01/2019	05/03/2019	2890
A	DNK		DELPHINI-1	NGSO	18/01/2019													28/01/2019	05/03/2019	2890
M	G		O3B-B	NGSO	18/01/2019													06/02/2016	20/12/2016	2835
M	G		O3B-B	NGSO	18/01/2019													06/02/2016	19/03/2019	2891
A	CHN		WTI-01	NGSO	21/02/2019													30/06/2018	19/03/2019	2891

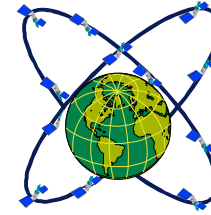


SECTION A9

LISTE DE NOTIFICATIONS DE STATIONS
TERRIENNES REÇUES ET PUBLIÉES DANS LA
PARTIE I-S DE LA CIRCULAIRE
HEBDOMADAIRE/BR IFIC (SERVICES SPATIAUX),
POUR LESQUELLES LES RENSEIGNEMENTS ONT
ÉTÉ COMMUNIQUÉS EN APPLICATION DES
DISPOSITIONS DE L'ARTICLE 11 DU RÈGLEMENT
DES RADIOCOMMUNICATIONS

A9 节

根据《无线电规则》第 11 条的规定，已收到、并在 WIC/BR IFIC（空间业务）I-S 部分中公布了相关信息的地球站的通知清单



SECTION A9

LIST OF NOTIFICATIONS OF EARTH STATIONS
RECEIVED AND PUBLISHED IN PART I-S OF THE
WIC/BR IFIC (SPACE SERVICES), INFORMATION
FOR WHICH HAS BEEN COMMUNICATED IN
APPLICATION OF THE PROVISIONS OF
ARTICLE 11 OF THE RADIO REGULATIONS

РАЗДЕЛ A9

СПИСОК ЗАЯВЛЕНИЙ ЗЕМНЫХ СТАНЦИЙ,
ПОЛУЧЕННЫХ И ОПУБЛИКОВАННЫХ В
ЧАСТИ I-S ЕЖЕНЕДЕЛЬНОГО ЦИРКУЛЯРА /BR
IFIC (КОСМИЧЕСКИЕ СЛУЖБЫ), СВЕДЕНИЯ ПО
КОТОРЫМ БЫЛИ СООБЩЕНЫ В ПРИМЕНЕНИЕ
ПОЛОЖЕНИЙ СТАТЬИ 11 РЕГЛАМЕНТА
РАДИОСВЯЗИ

SECCIÓN A9

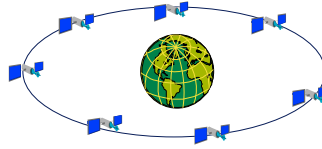
LISTA DE NOTIFICACIONES DE ESTACIONES
TERRENAS RECIBIDAS Y PUBLICADAS EN LA
PARTE I-S DE LA CIRCULAR SEMANAL/BR IFIC
(SERVICIOS ESPACIALES) SOBRE LAS CUALES
SE HA COMUNICADO INFORMACIÓN EN
APLICACIÓN DE LAS DISPOSICIONES DEL
ARTÍCULO 11 DEL REGLAMENTO DE
RADIOCOMUNICACIONES

القسم A9

قائمة التبليغات عن المحطات الأرضية
التي تم استلامها ونشرها في الجزء I-S من النشرة الأسبوعية/النشرة
BR IFIC (الخدمات الفضائية)
والتي تم إرسال المعلومات الخاصة بها تطبيقاً لأحكام
المادة 11 من لوائح الراديو

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Act_code	Adm	Ntwk_org	Stn_name	Ctry	Sat_name	Long_nom	D_rcv	a	b	c	d	e	f	g	h	i	j	k	l	D_inuse	D_wic_1a	Wic_no_1a
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SECTION A10

LISTE DES RÉSEAUX À SATELLITE
GÉOSTATIONNAIRE DU SERVICE DE
RADIODIFFUSION PAR SATELLITE (SRS) ET DE
SES LIAISONS DE CONNEXION ASSOCIÉES
COMMUNIQUÉS ET PUBLIÉS EN APPLICATION
DES DISPOSITIONS DE L'ARTICLE 4 DES
APPENDICES 30 ET 30A AINSI QUE LA
RÉSOLUTION 42 DU RÈGLEMENT DES
RADIOCOMMUNICATIONS

A10 芬

根据《无线电规则》附录 30 和 30A 第 4 条、
包括第 42 号决议的规定，已通报并已公布的
卫星广播业务（BSS）对地静止卫星网络及其
关联馈线链路的清单

SECTION A10

LIST OF GEOSTATIONARY-SATELLITE NETWORKS
IN THE BROADCASTING-SATELLITE SERVICE (BSS)
AND ITS ASSOCIATED FEEDER LINKS
COMMUNICATED AND PUBLISHED IN
APPLICATION OF THE PROVISIONS OF ARTICLE 4
OF APPENDICES 30 AND 30A INCLUDING
RESOLUTION 42 OF THE RADIO REGULATIONS

РАЗДЕЛ А10

СПИСОК ГЕОСТАЦИОНАРНЫХ СПУТНИКОВЫХ
СЕТЕЙ В РАДИОВЕЩАТЕЛЬНОЙ СПУТНИКОВОЙ
СЛУЖБЕ (РСС) И СВЯЗАННЫЕ С НИМИ
ФИДЕРНЫЕ ЛИНИИ, СООБЩЕННЫЕ И
ОПУБЛИКОВАННЫЕ В ПРИМЕНЕНИЕ
ПОЛОЖЕНИЙ СТАТЬИ 4 ПРИЛОЖЕНИЙ 30 И 30А,
А ТАКЖЕ РЕЗОЛЮЦИИ 42 РЕГЛАМЕНТА
РАДИОСВЯЗИ

SECCIÓN A10

LISTA DE REDES DE SATÉLITES
GEOESTACIONARIOS DEL SERVICIO DE
RADIODIFUSIÓN POR SATÉLITE (SRS) Y SUS
ENLACES DE CONEXIÓN ASOCIADOS
COMUNICADOS Y PUBLICADOS EN APLICACIÓN
DE LAS DISPOSICIONES DEL ARTÍCULO 4 DE LOS
APÉNDICES 30 Y 30A INCLUIDA LA
RESOLUCIÓN 42 DEL REGLAMENTO DE
RADIOCOMUNICACIONES

القسم A10

قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض
في الخدمة الإذاعية الساتلية (BSS) ووصلات التغذية المصاحبة لها،
التي تم إرسالها ونشرها تطبيقاً لأحكام المادة 4
من التذييلين 30 و30A والقرار 42 من لوائح الراديو

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)					
							AP30			AP30A		
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8	Region 2 17.3-18.1	Region 2 17.3-17.8
HOL		NSS-BSS 177W	-177.00	11/12/2014	114552025	A						
HOL		NSS-BSS 177W	-177.00	11/12/2014	114554025	A						
HOL		NSS-BSS 169.5W	-169.50	07/08/2018	118555007	A						
F		F-SAT-BSS-152W	-152.00	14/06/2018	118555005	A						
USA		USABSS-9	-148.00	22/12/2005	98555002	B						
F		F-SAT-E-BSS-133W	-133.00	06/01/2015	115555001	A						
G		INTELSAT KUEXT 133W	-133.00	31/03/2017	117555005	A						
CAN		CAN-BSS4	-129.00	21/06/2005	96555007	B						
CAN		CAN-BSS7	-129.00	17/12/2009	105555004	B						
G		INTELSAT KUEXT 127W	-127.00	12/01/2017	117555001	A						
HOL		NSS-BSS-G1 125W	-125.00	22/12/2016	116555003	A						
G		INTELSAT KUEXT 235.1	-124.90	26/01/2017	117555003	A						
F		CD-SAT BSS 123.1W	-123.10	01/08/2013	113555008	A						
G		INTELSAT KUEXT 122.9W	-122.90	13/01/2017	117555002	A						
USA		USABSS-3	-119.20	04/05/2000	96555006	B						
USA		USABSS-3	-119.20	22/12/2005	98555006	B						
USA		USABSS-10	-119.00	01/10/2007	98555003	B						
USA		USABSS-14	-119.00	02/03/2010	102555001	B						
USA		USABSS-18	-119.00	06/02/2009	103555002	B						
USA		USABSS-31	-119.00	18/08/2017	109555004	B						
USA		USABSS-7A	-119.00	16/12/2005	101555001	B						
USA		USABSS-4	-118.80	22/12/2005	96555013	B						
USA		USABSS-4	-118.80	22/12/2005	98555004	B						
USA		USABSS-4	-118.80	22/12/2005	98555007	B						
F		F-SAT-BSS-116W	-116.00	24/04/2017	117555006	A						
HOL		NSS-BSS 114.5W	-114.50	22/12/2016	116555002	A						
F		F-SAT-BSS-113W	-113.00	25/04/2018	118555002	A						
USA		USABSS-6	-110.20	12/09/2005	97555002	B						
USA		USABSS-36	-110.10	09/03/2011	111555004	A						
USA		USABSS-15	-110.00	02/03/2010	102555004	B						
USA		USABSS-16	-110.00	08/03/2012	104555005	B						
USA		USABSS-1M	-110.00	01/03/2004	99555002	B						
USA		USABSS-26	-110.00	06/01/2012	112555002	A						
USA		USABSS-26	-110.00	06/10/2014	106555009	B						
USA		USABSS-30	-110.00	28/04/2016	108555003	B						
USA		USABSS-41	-109.90	23/01/2015	115555002	A						
USA		USABSS-5	-109.80	12/09/2005	97555001	B						
G		USAT-105.5W	-105.50	19/12/2013	113555011	A						
USA		USABSS-1	-101.20	20/04/2000	95555003	B						
USA		USABSS-13	-101.20	23/11/2004	101555003	B						
USA		USABSS-1R	-101.20	01/03/2004	99555001	B						
USA		USABSS-21	-101.00	16/04/2013	105555003	B						
USA		USABSS-19	-100.85	01/08/2005	104555007	B						

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)							
							AP30			AP30A				
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8	Region 2 17.3-18.1	Region 2 17.3-17.8		
USA		USABSS-2A	-100.85	20/04/2000	95555005	B								
USA		USABSS-2	-100.80	20/04/2000	95555004	B								
USA		USABSS-24	-100.80	05/03/2007	105555005	B								
F		F-SAT-BSS-100W	-100.00	06/06/2018	118555004	A								
F		F-SAT-E-BSS-100W	-100.00	27/10/2014	114555004	A								
G		IOMBSS-98W	-98.00	23/03/2016	116555001	A								
RUS	IK	INTERSPUTNIK-97.8W-B	-97.80	17/08/2011	111555007	A								
G		BERMUDASAT-1	-96.20	11/04/2013	105555002	B								
G		BERMUDASAT-1A	-96.20	27/08/2013	113555010	A								
HOL		BSSNET3-95W	-95.15	28/01/2011	111555001	A								
HOL		BSSNET3A-95W	-95.15	09/07/2013	113555006	A								
F		F-SAT-BSS-94W	-94.00	10/01/2018	118555001	A								
CAN		CAN-BSS2	-91.10	03/07/2002	96555003	B								
CAN		CAN-BSS2AM	-91.10	04/01/2013	113555002	A								
CAN		CAN-BSS2X	-91.10	13/01/2014	106555002	B								
G		INTELSAT KUEXT 91W	-91.00	22/03/2017	117555004	A								
F		ASAT BSS W090	-90.00	26/07/2012	112555008	A								
F		F-SAT-BSS-88W	-88.00	05/06/2018	118555003	A								
F		F-SAT-E-BSS-88W	-88.00	26/07/2013	113555007	A								
BOL		BOLSAT BSS	-87.20	19/12/2011	111555008	A								
G		IOMSAT-S21	-86.50	23/04/2015	111555002	B								
G		USAT-86.5W	-86.50	17/01/2012	112555004	A								
G		USAT-S3 MOD-C	-86.50	27/06/2014	106555007	B								
G		USAT-S3 MOD-D	-86.50	04/12/2014	106555011	B								
NCG		NICASAT-1-BSS	-84.40	05/06/2015	115555004	A								
F		F-SAT-E-BSS-84W	-84.00	28/06/2013	113555005	A								
CAN		CAN-BSS1	-82.00	03/07/2002	96555002	B								
CAN		CAN-BSS1AM	-82.00	04/01/2013	113555001	A								
CAN		CAN-BSS1X	-82.00	10/01/2014	106555001	B								
MEX		MEX-TDH1	-77.00	05/07/2005	96555004	B								
MEX		QUETZSAT-77	-77.00	24/06/2009	106555010	B								
B		B-SAT-3B-1	-74.00	26/06/2015	115555005	A								
CAN		CAN-BSS3	-72.70	09/06/2004	96555010	B								
CAN		CAN-BSS6	-72.70	16/08/2010	103555006	B								
B		B-SAT-3C	-70.00	04/07/2018	110555004	B								
G		USAT-67W	-67.00	06/03/2012	112555005	A								
B		B-SAT-3H	-64.20	29/10/2014	114555005	A								
G		USAT-64W	-64.00	29/07/2011	111555006	A								
USA		USABSS-17	-61.50	31/03/2010	102555002	B								
USA		USABSS-37	-61.50	29/05/2012	112555006	A								
USA		USABSS-8	-61.50	17/10/2007	98555001	B								
B		B-SAT-3Q	-61.00	11/01/2012	112555003	A								
B		B-SAT-3Q-1	-61.00	04/06/2014	114555003	A								

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)							
							AP30			AP30A				
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8	
HOL		NSS-BSS-G2 58W	-58.00	16/01/2014	114555002	A								
F		F-SAT-BSS-55.5W	-55.50	26/06/2018	118555006	A								
G		INTELSAT KUEXT 304.5	-55.50	09/03/2006	98555008	B								
G		INTELSAT KUEXT 304.5	-55.50	19/09/2005	97555003	B								
G		INTELSAT KUEXT 304.5	-55.50	20/09/2005	96555016	B								
G		INTELSAT KUEXT 304.5	-55.50	23/04/2015	115555003	A								
F		F-SAT-E-BSS-53W	-53.00	28/06/2013	113555004	A								
G		UKBSS-50W	-50.00	13/08/2012	112555009	A								
USA		USABSS-39	-50.00	10/01/2014	114555001	A								
HOL		NSS-BSS 47.5W	-47.50	03/08/2012	112552015	A								
HOL		NSS-BSS 47.5W	-47.50	03/08/2012	112554015	A								
HOL		NSS-BSS 47.5W	-47.50	30/08/2012	112555010	A								
B		B-SAT-3A-3	-45.10	29/05/2013	113555003	A								
B		B-SAT-3A-2	-44.90	02/01/2012	112555001	A								
G		UKDIGISAT-41W-A	-41.00	03/08/2017	117552018	A								
G		UKDIGISAT-41W-A	-41.00	03/08/2017	117554018	A								
HOL		NSS-BSS 40.5W	-40.50	01/06/2012	112552016	A								
HOL		NSS-BSS 40.5W	-40.50	01/06/2012	112554016	A								
PNG		PACIFISAT BSS-39W	-39.00	21/04/2016	116552013	A								
PNG		PACIFISAT BSS-39W	-39.00	21/04/2016	116554013	A								
E		HISPASAT-30A	-36.00	29/07/2014	114552015	A								
E		HISPASAT-30A	-36.00	29/07/2014	114554015	A								
E		HISPASAT-76A	-36.00	01/02/2018	118552002	A								
E		HISPASAT-76A	-36.00	01/02/2018	118554002	A								
E		HISPASAT-7A	-36.00	14/07/2011	111552019	A								
E		HISPASAT-7A	-36.00	14/07/2011	111554019	A								
G		UKBSS-34.5W	-34.50	05/08/2013	113552026	A								
G		UKBSS-34.5W	-34.50	05/08/2013	113554026	A								
S		SMMSAT-BSS-3	-33.50	28/07/2016	116552019	A								
S		SMMSAT-BSS-3	-33.50	28/07/2016	116554019	A								
G		UKDIGISAT-4A	-33.50	05/11/2014	107552002	B								
G		UKDIGISAT-4A	-33.50	06/01/2015	107554002	B								
G		UKDIGISAT-4C	-33.50	07/07/2016	116554018	A								
G		UKDIGISAT-4C	-33.50	09/10/2014	114552017	A								
ISR		AMS-BSS-33W	-33.00	14/11/2011	111552031	A								
ISR		AMS-BSS-33W	-33.00	14/11/2011	111554031	A								
USA		USABSS-34	-31.50	13/04/2018	110552006	B								
E		HISPASAT 2U3	-30.00	18/10/2001	100551628	B								
E		HISPASAT 2U3	-30.00	16/05/2002										
E		HISPASAT 2U3	-30.00	20/02/1996	100551606	B								
E		HISPASAT 2U3	-30.00	23/04/2008	100551040	B								
E		HISPASAT 2U3	-30.00	25/07/1995	100551033	B								
				24/04/2000										

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
				12/05/2000									
E		HISPASAT-37A	-30.00	19/11/2014	114554022	A							
E		HISPASAT-37A	-30.00	28/11/2017	114552022	B	█	█					
USA		USABSS-35	-29.50	30/05/2018	110552009	B	█						
ISR		AMS-BSS-26W	-26.00	17/07/2011	111552021	A	█	█					
ISR		AMS-BSS-26W	-26.00	17/07/2011	111554021	A				█	█		
E		HISPASAT-21A	-26.00	22/01/2014	114552005	A	█	█					
E		HISPASAT-21A	-26.00	22/01/2014	114554005	A				█	█		
E		HISPASAT-66A	-26.00	02/08/2017	117552017	A	█	█					
E		HISPASAT-66A	-26.00	02/08/2017	117554017	A				█	█		
J		NB-SAT-26W	-26.00	30/01/2015	115552002	A	█	█					
J		NB-SAT-26W	-26.00	30/01/2015	115554002	A				█	█		
QAT		QATARSAT-BSS-26W R1	-26.00	24/03/2016	116552009	A	█	█					
QAT		QATARSAT-BSS-26W R1	-26.00	24/03/2016	116554009	A				█	█		
ALG		ALGBSAT-24.8W	-24.80	21/07/2016	113552013	B	█	█					
ALG		ALGBSAT-24.8W	-24.80	21/07/2016	113554013	B							
HOL		NSS-BSS 22W	-22.00	20/01/2014	114552003	A		█					
HOL		NSS-BSS 22W	-22.00	20/01/2014	114554003	A				█	█		
HOL		NSS-BSS G2 22W	-22.00	12/12/2017	117552024	A		█					
HOL		NSS-BSS G2 22W	-22.00	12/12/2017	117554024	A				█	█		
LUX		DBL-G4-20W	-20.00	08/08/2017	109552026	B	█	█					
LUX		DBL-G4-20W	-20.00	08/08/2017	109554026	B				█	█		
UAE		YAHSAT-BSS2-20W	-20.00	08/10/2013	113552030	A	█	█					
UAE		YAHSAT-BSS2-20W	-20.00	08/10/2013	113554030	A				█	█		
EGY		EGYNILE2-BSS	-19.00	05/06/2014	114552010	A	█	█					
EGY		EGYNILE2-BSS	-19.00	05/06/2014	114554010	A				█	█		
G		UKBSS-18W	-18.00	05/08/2013	113552025	A	█	█					
G		UKBSS-18W	-18.00	05/08/2013	113554025	A				█	█		
UAE		YAHSAT-BSS-18W	-18.00	09/11/2015	115552019	A	█	█					
UAE		YAHSAT-BSS-18W	-18.00	09/11/2015	115554019	A				█	█		
RUS	IK	IK-16W-B	-16.00	02/05/2017	117554007	A				█	█		
RUS	IK	IK-16W-BD	-16.00	19/07/2018	118552007	A		█					
RUS	IK	INTERSPUTNIK-16W-B	-16.00	04/02/2016	109552021	B		█					
S		SIRIUS-13W-BSS-2	-13.00	17/11/2014	114552020	A	█	█					
S		SIRIUS-13W-BSS-2	-13.00	17/11/2014	114554020	A				█	█		
F		F-SAT-BSS-12.5W	-12.50	15/06/2017	117552014	A	█	█					
F		F-SAT-BSS-12.5W	-12.50	15/06/2017	117554014	A				█	█		
F		F-SAT-E-BSS-12W	-12.50	20/02/2017	109552031	B	█	█					
F		F-SAT-E-BSS-12W	-12.50	20/02/2017	109554031	B							
E		HISPASAT-64A	-10.25	23/12/2016	116552031	A		█					
E		HISPASAT-64A	-10.25	23/12/2016	116554031	A				█	█		
EGY		EGYNILE1-BSS	-7.00	05/06/2014	114552009	A	█	█					
EGY		EGYNILE1-BSS	-7.00	05/06/2014	114554009	A				█	█		

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)					
							AP30			AP30A		
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1
F		F-SAT-E-BSS-7W	-7.00	07/08/2013	105552012	B	■	■				
F		F-SAT-E-BSS-7W	-7.00	07/08/2013	105554012	B					■	
F		F-SAT-E-BSS-7W	-7.00	27/10/2014	114552018	A	■	■				
F		F-SAT-E-BSS-7W	-7.00	27/10/2014	114554018	A				■	■	
EGY		NILESAT-102	-7.00	14/12/2007	99552001	B	■	■				
EGY		NILESAT-102	-7.00	14/12/2007	99554001	B					■	
EGY		NILESAT-103	-7.00	11/03/2013	105552004	B	■	■				
EGY		NILESAT-103	-7.00	11/03/2013	105554004	B					■	
EGY		NILESAT-1S	-7.00	12/05/2000	100551013	B	■					
EGY		NILESAT-1S	-7.00	12/05/2000	100551613	B					■	
QAT		QATARSAT1-BSS-7W	-7.00	29/09/2011	111552028	A	■	■				
QAT		QATARSAT1-BSS-7W	-7.00	29/09/2011	111554028	A				■	■	
F		RADIOSAT-5-5A	-7.00	12/05/2000	100551034	B	■	■				
F		RADIOSAT-5-5A	-7.00	12/05/2000	100551629	B					■	
F		RADIOSAT-5C	-7.00	01/06/2007	97552056	B	■	■				
F		RADIOSAT-5C	-7.00	01/06/2007	97554058	B					■	
ISR		AMS-BSS-B1-4W	-4.00	02/08/2011	111554024	A				■	■	
ISR		AMS-BSS-B2-4W	-4.00	27/06/2013	113552022	A	■	■				
ISR		AMS-BSS-B3-4W	-4.00	08/09/2016	116554023	A				■	■	
ISR		AMS-BSS-B4-4W	-4.00	03/05/2017	117552008	A	■	■				
NOR		BIFROST-4W-BSS	-4.00	30/04/2013	105552015	B	■	■				
NOR		BIFROST-4W-BSS	-4.00	30/04/2013	105554015	B					■	
PNG		AFRISAT BSS-3W	-3.00	04/12/2015	112554003	B				■	■	
PNG		AFRISAT BSS-3W	-3.00	25/06/2015	112552003	B		■				
BUL		BULSAT-BSS-1.2W	-1.20	07/11/2015	113552018	B	■	■				
BUL		BULSAT-BSS-1.2W	-1.20	07/11/2015	113554018	B					■	
NOR		BIFROST-0.8W-BSS2016	-0.80	13/10/2016	116552027	A	■	■				
NOR		BIFROST-BSS-0.8W-EUR	-0.80	31/08/2004 17/09/2004 17/02/2005	100551037	B	■	■				
NOR		BIFROST-BSS-0.8W-EUR	-0.80	31/08/2004 17/09/2004 17/02/2005	100551632	B					■	
NOR		BIFROST-BSS-0.8W-GLO	-0.80	20/12/2004 17/02/2005 19/08/2005	100551038	B	■	■				
NOR		BIFROST-BSS-0.8W-GLO	-0.80	20/12/2004 17/02/2005 19/08/2005	100551633	B					■	
NOR		BIFROST-BSS-0.8W-NOR	-0.80	04/08/2004 17/02/2005	100551036	B	■	■				
NOR		BIFROST-BSS-0.8W-NOR	-0.80	04/08/2004 17/02/2005	100551631	B					■	

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
NOR		EOE-BSS-2007	-0.80	11/11/2014	107552007	B							
QAT		QATARSAT-BSS-0.9E	0.90	03/02/2016	116554006	A							
BUL		BULSAT-BSS-1.2W-W	1.90	04/06/2014	110554025	B							
BUL		BULSAT-BSS-1.2W-W	1.90	07/11/2015	110552025	B							
BUL		BULSAT-BSS-1.2W-W	1.90	07/11/2015	112552007	B							
LUX		DBL-G5-2E	2.00	04/03/2011	111552008	A							
LUX		DBL-G5-2E	2.00	08/03/2011	111554008	A							
MCO		MCO-BSS-2E	2.00	23/11/2011	111552032	A							
MCO		MCO-BSS-2E	2.00	23/11/2011	111554032	A							
S		SIRIUS-5-BSS	4.80	22/09/2008	104552001	B							
S		SIRIUS-5-BSS	4.80	22/09/2008	104554001	B							
S		SIRIUS-6-BSS	4.80	19/12/2013	105552016	B							
S		SIRIUS-7-BSS	4.80	08/06/2011	111552017	A							
S		SIRIUS-7-BSS	4.80	08/06/2011	111554017	A							
S		SIRIUS-N-BSS	4.80	16/08/2017	114552021	B							
S		SIRIUS-2-BSS	5.00	05/05/2000	100551031	B							
S		SIRIUS-2-BSS	5.00	12/05/2000	100551626	B							
S		SIRIUS-4-BSS	5.00	15/09/2006	100551039	B							
S		SIRIUS-3-BSS	5.20	12/05/2000	100551627	B							
S		SIRIUS-3-BSS	5.20	20/04/1993 05/05/2000	100551032	B							
F	EUT	EUTELSAT B-9E	9.00	16/06/2009	101552015	B							
F	EUT	EUTELSAT B-9E	9.00	16/06/2009	101554013	B							
F		F-SAT-BSS-9E	9.00	29/05/2017	117552010	A							
F		F-SAT-BSS-9E	9.00	29/05/2017	117554010	A							
I		IBS-9E	9.00	12/09/2016	115552018	B							
I		IBS-9E	9.00	12/09/2016	115554018	B							
F	EUT	EUTELSAT B-10E	10.00	16/03/2006	97552010	B							
F	EUT	EUTELSAT B-10E	10.00	16/03/2006	97554010	B							
F		F-SAT-BSS-11.5E	11.50	06/04/2018	118552003	A							
F		F-SAT-BSS-11.5E	11.50	06/04/2018	118554003	A							
F	EUT	EUTELSAT B-13E	13.00	11/02/2002	95552004	B							
F	EUT	EUTELSAT B-13E	13.00	18/12/2001	95554005	B							
F	EUT	EUTELSAT B-13E	13.00	26/01/2000	100551006	B							
F	EUT	EUTELSAT B-13E	13.00	26/01/2000	100551605	B							
F		F-SAT-E-BSS-13E	13.00	22/03/2011	111552010	A							
F		F-SAT-E-BSS-13E	13.00	22/03/2011	111554010	A							
F		F-SAT-BSS-14.5E	14.50	05/12/2017	117552023	A							
F		F-SAT-BSS-14.5E	14.50	05/12/2017	117554023	A							
EGY		EGYNILE3-BSS	15.00	05/06/2014	114552011	A							
EGY		EGYNILE3-BSS	15.00	05/06/2014	114554011	A							
UAE		YAHSAT-BSS-15E	15.00	12/10/2016	116552026	A							
UAE		YAHSAT-BSS-15E	15.00	12/10/2016	116554026	A							

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
F		F-SAT-BSS-16E	16.00	28/04/2017	117552006	A							
F		F-SAT-BSS-16E	16.00	28/04/2017	117554006	A							
RUS	IK	INTERSPUTNIK-17E-B	17.00	17/07/2015	108552003	B							
RUS	IK	INTERSPUTNIK-17E-B	17.00	17/07/2015	108554003	B							
LUX		DBL	19.20	09/03/1999	100551004	B							
LUX		DBL	19.20	12/05/2000	100551609	B							
LUX		DBL	19.20	17/06/2002	93552003	B							
LUX		DBL-G3-19.2E	19.20	05/04/2006	104554004	B							
LUX		DBL-G3-19.2E	19.20	23/04/2012	104552003	B							
LUX		DBL-G6-19.2E	19.20	13/11/2013	113552032	A							
LUX		DBL-G6-19.2E	19.20	13/11/2013	113554032	A							
QAT		QATARSAT3-BSS-20E	20.00	05/12/2011	111552033	A							
QAT		QATARSAT3-BSS-20E	20.00	05/12/2011	111554033	A							
QAT		QATARSAT-BSS-20E-G2	20.00	07/03/2017	117552005	A							
QAT		QATARSAT-BSS-20E-G2	20.00	07/03/2017	117554005	A							
LUX		DBL-G5-21.5E	21.50	06/09/2011	111552027	A							
LUX		DBL-G6-21.5E	21.50	13/11/2013	113552033	A							
LUX		DBL-G6-21.5E	21.50	13/11/2013	113554033	A							
S		SMMSAT-BSS-2	21.50	26/10/2015	115552017	A							
S		SMMSAT-BSS-2	21.50	26/10/2015	115554017	A							
ISR		AMS-BSS-23E	23.00	10/04/2011	111552012	A							
ISR		AMS-BSS-23E	23.00	10/04/2011	111554012	A							
LUX		DBL-24.2E	23.50	05/11/2004	95552016	B							
LUX		DBL-24.2E	23.50	09/12/2003	94552006	B							
LUX		DBL-24.2E	23.50	09/12/2003	94554006	B							
LUX		DBL-G3-23.5E	23.50	16/10/2006	104554005	B							
LUX		DBL-G3-23.5E	23.50	23/04/2012	104552004	B							
LUX		DBL-G6-23.5E	23.50	13/11/2013	113552034	A							
LUX		DBL-G6-23.5E	23.50	13/11/2013	113554034	A							
IRN		IRANSAT-BSS-24.19E	24.19	06/05/2017	117552009	A							
IRN		IRANSAT-BSS-24.19E	24.19	06/05/2017	117554009	A							
QAT		QATARSAT-BSS-25.9E	25.90	25/11/2015	115554023	A							
ARS	ARB	ARABSAT BSS-26E	26.00	23/04/2011	111552001	A							
ARS	ARB	ARABSAT BSS-26E	26.00	23/04/2011	111554001	A							
ARS	ARB	ARABSAT-BSS1	26.00	12/05/2000	100551030	B							
ARS	ARB	ARABSAT-BSS1	26.00	12/05/2000	100551625	B							
ARS	ARB	ARABSAT-BSS1A	26.00	01/05/2006	100554003	B							
ARS	ARB	ARABSAT-BSS1A	26.00	24/12/2005	100552003	B							
ARS	ARB	ARABSAT-BSS1B	26.00	01/05/2006	100554004	B							
ARS	ARB	ARABSAT-BSS1B	26.00	24/12/2005	100552004	B							
ARS	ARB	ARABSAT-VB26E	26.00	28/07/2010	106552003	B							
ARS	ARB	ARABSAT-VB26E	26.00	28/07/2010	106554003	B							
IRN		IRNDBS-2	26.00	27/03/2006	96552042	B							

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							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
IRN		IRNDBS-2	26.00	27/03/2006	96554047	B							
LUX		DBL-28.2E	28.20	12/05/2000	100551610	B							
LUX		DBL-28.2E	28.20	31/01/2000	100551007	B							
LUX		DBL-G3-28.2E	28.20	16/10/2006	104554006	B							
LUX		DBL-G3-28.2E	28.20	23/04/2012	104552005	B							
LUX		DBL-G6-28.2E	28.20	13/11/2013	113552035	A							
LUX		DBL-G6-28.2E	28.20	13/11/2013	113554035	A							
LUX		DBL-G5-28.5E	28.50	03/12/2010	110552030	A							
LUX		DBL-G5-28.5E	28.50	13/12/2010	110554030	A							
ARS	ARB	ARABSAT-VB30.5E	30.50	19/03/2014	114554007	A							
ARS	ARB	ARABSAT-VB30.5E	30.50	23/10/2013	113552031	A							
ARS	ARB	ARABSAT-VB30.5E	30.50	23/10/2013	113554031	A							
TUR		TURKSAT-BSS-31E	31.00	15/07/2015	115552010	A							
TUR		TURKSAT-BSS-31E	31.00	23/07/2015	115554010	A							
LUX		DBL-31.5E	31.50	12/12/2003	94552009	B							
LUX		DBL-31.5E	31.50	12/12/2003	94554009	B							
LUX		DBL-G3-31.5E	31.50	21/01/2010	104554007	B							
LUX		DBL-G3-31.5E	31.50	23/04/2012	104552006	B							
LUX		DBL-G6-31.5E	31.50	13/11/2013	113552036	A							
LUX		DBL-G6-31.5E	31.50	13/11/2013	113554036	A							
F		F-SAT-BSS-33E	33.00	14/12/2017	117552025	A							
F		F-SAT-BSS-33E	33.00	14/12/2017	117554025	A							
UAE		YAHSAT-BSS-33.5E	33.50	18/09/2016	116552024	A							
UAE		YAHSAT-BSS-33.5E	33.50	18/09/2016	116554024	A							
ARS	ARB	ARABSAT-VB34E	34.00	07/10/2012	112552009	A							
ARS	ARB	ARABSAT-VB34E	34.00	07/10/2012	112554009	A							
IRN		IRANDBS5	34.00	19/08/2015	115552012	A							
IRN		IRANDBS5	34.00	19/08/2015	115554012	A							
F	EUT	EUTELESAT B-36E	36.00	02/06/2000	95552005	B							
F	EUT	EUTELESAT B-36E	36.00	20/11/2008	100552005	B							
F	EUT	EUTELESAT B-36E	36.00	20/11/2008	100554005	B							
F	EUT	EUTELESAT B-36E	36.00	25/04/2000	100551608	B							
F		F-SAT-BSS-36E	36.00	30/05/2017	117552011	A							
F		F-SAT-BSS-36E	36.00	30/05/2017	117554011	A							
RUS		RST-1	36.00	05/01/1997	100551016	B							
RUS		RST-1	36.00	05/01/1997	100551615	B							
RUS		RST-1A	36.00	07/05/2018	115552013	B							
RUS		RST-1A	36.00	13/12/2010	108552011	B							
RUS		RST-1A	36.00	17/08/2015	112554026	B							
PAK		PAKSAT-MM1-38.2E-BSS	38.20	15/11/2016	116554028	A							
PAK		PAKSAT-MM1-38.2E-BSS	38.20	27/11/2017	116552028	B							
GRC		GRC15002	39.00	22/01/2014	107552017	B							
GRC		GRC15002	39.00	22/01/2014	107554017	B							

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							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
CYP		KYPROS-SAT-4	39.00	23/09/2016	109552020	B							
CYP		KYPROS-SAT-4	39.00	23/09/2016	109554020	B							
TUR		TURKSAT-BSS	42.00	28/04/2000	100551024	B							
TUR		TURKSAT-BSS	42.00	28/04/2000	100551619	B							
TUR		TURKSAT-BSS-42E	42.00	11/09/2015	112552030	B							
TUR		TURKSAT-BSS-42E	42.00	11/09/2015	112554030	B							
TUR		TURKSAT-BSS-42E-A	42.00	21/11/2015	115554022	A							
ISR		AMS-BSS-43E	43.00	10/11/2011	111552030	A							
ISR		AMS-BSS-43E	43.00	10/11/2011	111554030	A							
ARS	ARB	ARABSAT BSS 6F	44.50	28/08/2012	105552007	B							
ARS	ARB	ARABSAT BSS 6F	44.50	28/08/2012	105554007	B							
ARS	ARB	ARABSAT-VAS44.5E	44.50	08/02/2016	116554007	A							
ARS	ARB	ARABSAT-VB44.5E	44.50	28/08/2014	114552016	A							
ARS	ARB	ARABSAT-VB44.5E	44.50	28/08/2014	114554016	A							
D		EUROPESTAR-45E-BSSA	45.00	12/06/2012	112554012	A							
D		EUROPESTAR-BSS-45E	45.00	28/02/2017	110552005	B							
UAE		YAHSAT-BSS2-46E	46.00	09/10/2011	111552029	A							
UAE		YAHSAT-BSS2-46E	46.00	09/10/2011	111554029	A							
F	EUT	EUTELSAT B-48E	48.00	07/03/2002	95554007	B							
F	EUT	EUTELSAT B-48E	48.00	27/02/2003	95552006	B							
F		F-SAT-BSS-48E	48.00	31/05/2017	117552012	A							
F		F-SAT-BSS-48E	48.00	31/05/2017	117554012	A							
IND		INSAT-KUP-BSS (48E)	48.00	07/02/2013	113552002	A							
IND		INSAT-KUP-BSS (48E)	48.00	07/02/2013	113554002	A							
F	EUT	EUTELSAT B-48.2E	48.20	13/10/2009	100552006	B							
F	EUT	EUTELSAT B-48.2E	48.20	13/10/2009	100554006	B							
TUR		TURKSAT-BSS-50E	50.00	25/08/2011	111552026	A							
TUR		TURKSAT-BSS-50E-A	50.00	18/01/2016	116554002	A							
HOL		NSS-BSS 50.5E	50.50	20/03/2015	115552008	A							
HOL		NSS-BSS 50.5E	50.50	20/03/2015	115554008	A							
HOL		NSS-BSS 50.75E	50.75	31/03/2017	109552013	B							
HOL		NSS-BSS 50.75E	50.75	31/03/2017	109554013	B							
G		AM-SAT AF3 BSS	51.00	15/12/2011	103552010	B							
G		AM-SAT AF3 BSS	51.00	15/12/2011	103554010	B							
G		AM-SAT AF3 BSS MOD-A	51.00	18/09/2017	109552024	B							
G		AM-SAT AF3 BSS MOD-A	51.00	18/09/2017	109554024	B							
MCO		MCO-BSS-52E	52.00	03/06/2011	105552009	B							
MCO		MCO-BSS-52E	52.00	03/06/2011	105554009	B							
MCO		MCO-BSS-52EA	52.00	03/06/2011	109552034	B							
MCO		MCO-BSS-52EA	52.00	03/06/2011	109554034	B							
MCO		MCO-BSS-52EAP	52.00	25/06/2013	111552011	B							
MCO		MCO-BSS-52EAP	52.00	25/06/2013	111554011	B							
MCO		MCO-BSS-52EB	52.00	28/11/2016	116552029	A							

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
MCO		MCO-BSS-52EB	52.00	28/11/2016	116554029	A							
LUX		DBL-G5-52.2E	52.20	06/06/2011	111552016	A							
LUX		DBL-G5-52.2E	52.20	06/06/2011	111554016	A							
UAE		EMARSAT-1	52.50	20/11/2014	106552004	B							
UAE		EMARSAT-1	52.50	20/11/2014	106554004	B							
UAE		YAHSAT-BSS-52.5E	52.50	01/10/2017	109552030	B							
UAE		YAHSAT-BSS-52.5E	52.50	01/10/2017	109554030	B							
IND		INSAT-KUP-BSS(55E)	55.00	07/02/2013	113552003	A							
IND		INSAT-KUP-BSS(55E)	55.00	07/02/2013	113554003	A							
S		SMMSAT-BSS-1	55.00	01/10/2015	115552015	A							
S		SMMSAT-BSS-1	55.00	01/10/2015	115554015	A							
IND		INSAT-KUP-BSS(55.8E)	55.80	08/03/2013	113552015	A							
IND		INSAT-KUP-BSS(55.8E)	55.80	08/03/2013	113554015	A							
RUS		RST-2A	56.00	24/11/2011	108552012	B							
RUS		RST-2A	56.00	24/11/2011	108554012	B							
HOL		NSS-BSS 57E	57.00	02/08/2018	110552013	B							
HOL		NSS-BSS 57E	57.00	02/08/2018	110554013	B							
HOL		NSS-BSS-G2 57E	57.00	11/12/2014	114552023	A							
HOL		NSS-BSS-G2 57E	57.00	11/12/2014	114554023	A							
UAE		YAHSAT-BSS2-57E	57.00	29/10/2012	112552017	A							
UAE		YAHSAT-BSS2-57E	57.00	29/10/2012	112554017	A							
ETH		ETHIOSAT-1	58.30	28/03/2016	116552010	A							
ETH		ETHIOSAT-1	58.30	28/03/2016	116554010	A							
KAZ		KAZSAT-BSS-30-58.5E	58.50	01/02/2017	117552004	A							
KAZ		KAZSAT-BSS-30A-58.5E	58.50	01/02/2017	117554004	A							
PNG		PACIFISAT BSS-59E	59.00	25/01/2011	111552005	A							
PNG		PACIFISAT BSS-59E	59.00	25/01/2011	111554005	A							
PNG		PACIFISAT BSSA-59E	59.00	17/02/2012	112552005	A							
G		INTELSAT KUEXT 60E	60.00	12/09/2003	96552015	B							
PNG		NEW DAWN BSS-2	60.00	06/06/2012	112552010	A							
PNG		NEW DAWN BSS-2	60.00	24/05/2013	113554017	A							
HOL		NSS-BSS 60E	60.00	25/06/2014	114552012	A							
HOL		NSS-BSS 60E	60.00	25/06/2014	114554012	A							
USA		USABSS-42	60.00	04/02/2016	116552004	A							
USA		USABSS-42	60.00	04/02/2016	116554004	A							
UAE		YAHSAT-BSS2-60E	60.00	19/12/2017	110552028	B							
UAE		YAHSAT-BSS2-60E	60.00	19/12/2017	110554028	B							
UAE		YAHSAT-BSS3-60E	60.00	09/11/2015	115552020	A							
UAE		YAHSAT-BSS3-60E	60.00	09/11/2015	115554020	A							
UAE		YAHSAT-BSS-60E	60.00	01/09/2015	107552016	B							
UAE		YAHSAT-BSS-60E	60.00	01/09/2015	107554016	B							
PNG		PACIFISAT BSS-61E	61.00	04/06/2015	110552023	B							
PNG		PACIFISAT BSSA-61E	61.00	03/06/2015	112552006	B							

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
CHN		CHNBSAT-62E	62.00	29/07/2011	111552022	A							
CHN		CHNBSAT-62E	62.00	29/07/2011	111554022	A							
PNG		NEW DAWN BSS-3	62.00	08/11/2012	112552020	A							
PNG		NEW DAWN BSS-3	62.00	08/11/2012	112554020	A							
PNG		PACIFISAT BSSA-63E	63.00	06/05/2014	114552008	A							
PNG		PACIFISAT BSSA-63E	63.00	06/05/2014	114554008	A							
UAE		YAHSAT-BSS2-63E	63.00	19/11/2012	112552019	A							
UAE		YAHSAT-BSS2-63E	63.00	19/11/2012	112554019	A							
UAE		YAHSAT-BSS3-63E	63.00	09/11/2015	115552021	A							
UAE		YAHSAT-BSS3-63E	63.00	09/11/2015	115554021	A							
UAE		YAHSAT-BSS-63E	63.00	22/03/2016	108552004	B							
UAE		YAHSAT-BSS-63E	63.00	22/03/2016	108554004	B							
PNG		NEW DAWN BSS-4	64.00	08/11/2012	112552021	A							
PNG		NEW DAWN BSS-4	64.00	08/11/2012	112554021	A							
QAT		QATARSAT-BSS-64.5E	64.50	12/08/2017	117552019	A							
QAT		QATARSAT-BSS-64.5E	64.50	12/08/2017	117554019	A							
ISR		AMS-BSS-C1-65E	65.00	27/06/2012	112552013	A							
ISR		AMS-BSS-C1-65E	65.00	27/06/2012	112554013	A							
ISR		AMS-BSS-C2-65E	65.00	07/01/2018	118552001	A							
ISR		AMS-BSS-C2-65E	65.00	07/01/2018	118554001	A							
F		AST-BSS-65.45E	65.45	29/03/2013	113552012	A							
F		AST-BSS-65.45E	65.45	29/03/2013	113554012	A							
G		INTELSAT KUEXT 66E	66.00	06/03/2015	115554006	A							
G		INTELSAT KUEXT 66E	66.00	25/03/2004	96552018	B							
G		INTELSAT KUEXT 66E	66.00	30/08/2013	105552013	B							
UAE		YAHSAT-BSS2-67.5E	67.50	14/11/2012	112552029	A							
UAE		YAHSAT-BSS2-67.5E	67.50	14/11/2012	112554029	A							
IND		INSAT-KUP-BSS (68E)	68.00	08/03/2013	113552016	A							
IND		INSAT-KUP-BSS (68E)	68.00	08/03/2013	113554016	A							
PNG		NEW DAWN BSS-5	68.50	08/11/2012	112552022	A							
PNG		NEW DAWN BSS-5	68.50	08/11/2012	112554022	A							
PNG		NEW DAWN BSS-5	68.50	31/03/2016	116552011	A							
PNG		NEW DAWN BSS-5	68.50	31/03/2016	116554011	A							
USA		USABSS-43	68.50	04/02/2016	116552005	A							
USA		USABSS-43	68.50	04/02/2016	116554005	A							
F		F-SAT-BSS-70.5E	70.50	12/05/2016	116552015	A							
F		F-SAT-BSS-70.5E	70.50	12/05/2016	116554015	A							
F		F-SAT-E-BSS-70.5E	70.50	10/12/2010	109554004	B							
F		F-SAT-E-BSS-70.5E	70.50	20/03/2015	109552004	B							
USA		USABSS-38	72.00	11/12/2012	112552027	A							
BGD		BANGSAT-74E-B	74.00	01/07/2013	113552010	A							
BGD		BANGSAT-74E-B	74.00	01/07/2013	113554010	A							
IND		INSAT-KUP-BSS (74E)	74.00	07/02/2013	113552004	A							

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							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
IND		INSAT-KUP-BSS (74E)	74.00	07/02/2013	113554004	A							
RUS	IK	INTERSPUTNIK-74.9E-B	74.90	17/05/2012	107552020	B							
RUS	IK	INTERSPUTNIK-74.9E-B	74.90	17/05/2012	107554020	B							
RUS	IK	INTERSPUTNIK-74.9EB2	74.90	17/05/2012	112552008	A							
RUS	IK	INTERSPUTNIK-74.9EB2	74.90	17/05/2012	112554008	A							
QAT		QATARSAT-BSS-77E	77.00	25/09/2018	118552008	A							
QAT		QATARSAT-BSS-77E	77.00	25/09/2018	118554008	A							
IND		INSAT-KUP-BSS (77.1E)	77.10	01/06/2015	115554009	A							
IND		INSAT-KUP-BSS (77.1E)	77.10	28/01/2016	116552003	A							
E		HISPASAT-74A	78.00	14/12/2017	117552026	A							
E		HISPASAT-74A	78.00	14/12/2017	117554026	A							
HOL		NSS-BSS 80.2E	80.20	20/01/2014	114552004	A							
HOL		NSS-BSS 80.2E	80.20	20/01/2014	114554004	A							
F		F-SAT-BSS-80.5E	80.50	02/06/2017	117552013	A							
F		F-SAT-BSS-80.5E	80.50	02/06/2017	117554013	A							
F		F-SAT-E-BSS-80.5E	80.50	19/02/2016	109552007	B							
F		F-SAT-E-BSS-80.5E	80.50	19/02/2016	109554007	B							
J		NB-SAT-82E	82.00	06/01/2014	114552002	A							
J		NB-SAT-82E	82.00	06/01/2014	114554002	A							
IND		INSAT-KUP-BSS (82.5E)	82.50	07/02/2013	113552005	A							
IND		INSAT-KUP-BSS (82.5E)	82.50	07/02/2013	113554005	A							
LUX		DBL-G5-83E	83.00	01/03/2011	111552007	A							
LUX		DBL-G5-83E	83.00	01/03/2011	111554007	A							
LUX		DBL-G6-83E	83.00	15/07/2011	111552020	A							
IND		INSAT-KUP-BSS (83E)	83.00	07/02/2013	113552006	A							
IND		INSAT-KUP-BSS (83E)	83.00	07/02/2013	113554006	A							
MLA		MEASAT-83.7E-BSS	83.70	12/03/2013	113552011	A							
MLA		MEASAT-83.7E-BSS	83.70	16/04/2013	113554011	A							
USA		USABSS-48	85.00	18/10/2018	118554006	A							
USA		USABSS-29	85.15	29/04/2014	107552003	B							
PNG		PACIFISAT BSS-85.3E	85.30	06/07/2017	116552012	B							
PNG		PACIFISAT BSS-85.3E	85.30	13/05/2016	116554012	A							
KAZ		KAZSAT-BSS-30-86.5E	86.50	20/06/2016	116552016	A							
KAZ		KAZSAT-BSS-30A-86.5E	86.50	23/05/2016	116554016	A							
QAT		QATARSAT-BSS-87E	87.00	06/11/2014	114552019	A							
QAT		QATARSAT-BSS-87E	87.00	06/11/2014	114554019	A							
F		F-SAT-BSS-88.5E	88.50	10/06/2016	116552017	A							
F		F-SAT-BSS-88.5E	88.50	10/06/2016	116554017	A							
F		F-SAT-E-BSS-88.5E	88.50	19/02/2016	109552010	B							
F		F-SAT-E-BSS-88.5E	88.50	19/02/2016	109554010	B							
MLA		MEASAT-91.5E-BSS	91.50	26/09/2017	111552009	B							
MLA		MEASAT-91.5E-BSS	91.50	27/11/2014	111554009	B							
CHN		CHNBSAT-92.2E	92.20	28/08/2006	103552005	B							

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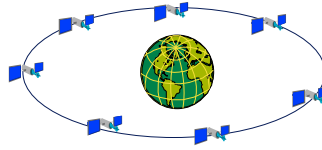
Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)							
							AP30			AP30A				
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8	
CHN		CHNBSAT-92.2E	92.20	28/08/2006	103554005	B								
CHN		CHNBSAT-92.4E	92.40	07/09/2016	116552022	A								
CHN		CHNBSAT-92.4E	92.40	07/09/2016	116554022	A								
IND		INSAT-KUP-BSS (93.5E)	93.50	07/02/2013	113552007	A								
IND		INSAT-KUP-BSS (93.5E)	93.50	07/02/2013	113554007	A								
HOL		NSS-BSS 95E	95.00	09/03/2017	109552012	B								
HOL		NSS-BSS 95E	95.00	09/03/2017	109554012	B								
HOL		NSS-BSS-G2 95E	95.00	15/02/2013	113552009	A								
HOL		NSS-BSS-G2 95E	95.00	15/02/2013	113554009	A								
HOL		NSS-BSS 100E	100.00	07/08/2018	110552014	B								
HOL		NSS-BSS 100E	100.00	07/08/2018	110554014	B								
CHN		ASIASAT-BSS-E2	100.50	06/08/2013	113552027	A								
CHN		CHNBSAT-101.4E	101.40	13/09/2017	112552011	B								
CHN		CHNBSAT-101.4E	101.40	15/12/2015	112554011	B								
CHN		ASIASAT-BSS-C2	105.50	06/08/2013	113552028	A								
HOL		NSS-BSS 108.2E	108.20	20/06/2016	108552010	B								
HOL		NSS-BSS 108.2E	108.20	20/06/2016	108554010	B								
HOL		NSS-BSS-G2 108.2E	108.20	19/12/2011	111552034	A								
HOL		NSS-BSS-G2 108.2E	108.20	19/12/2011	111554034	A								
G		USAT-108.2E	108.20	09/05/2016	116552014	A								
G		USAT-108.2E	108.20	09/05/2016	116554014	A								
G		USAT-108.4E	108.40	15/07/2014	114552014	A								
G		USAT-108.4E	108.40	15/07/2014	114554014	A								
J		NB-SAT-109.65-HE	109.65	31/01/2017	117552001	A								
J		NB-SAT-109.65-OD-EV	109.65	04/01/2016	113552038	B								
J		NB-SAT-109.65-OD-EV	109.65	04/01/2016	113554038	B								
J		NBSAT-109.65-WB	109.65	30/01/2015	115554003	A								
J		TAIKI-109.65-34.5	109.65	26/08/2008	100554048	B								
J		NB-SAT-109.85AA	109.85	18/06/2010	102552005	B								
J		NB-SAT-109.85AA	109.85	24/12/2009	102552002	B								
J		NB-SAT-109.85-HE	109.85	31/01/2017	117552002	A								
J		NB-SAT-109.85-OD-EV	109.85	04/01/2016	113552039	B								
J		NB-SAT-109.85-OD-EV	109.85	04/01/2016	113554039	B								
J		NBSAT-109.85-WB	109.85	30/01/2015	115554004	A								
J		NB-SAT-110AA	110.00	18/06/2010	102552006	B								
J		NB-SAT-110AA	110.00	24/12/2009	102552003	B								
J		NB-SAT-110-EV	110.00	04/01/2016	113552001	B								
J		NB-SAT-110-EV	110.00	04/01/2016	113554001	B								
J		NB-SAT-110-HE	110.00	31/01/2017	117552003	A								
J		NB-SAT-110-OD	110.00	04/01/2016	113552040	B								
J		NB-SAT-110-OD	110.00	04/01/2016	113554040	B								
J		NBSAT-110-WB	110.00	30/01/2015	115554005	A								
IND		INSAT-KUP-BSS (111.5)	111.50	07/02/2013	113552008	A								

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
IND		INSAT-KUP-BSS (111.5)	111.50	07/02/2013	113554008	A							
ISR		AMS-BSS-C1-113E	113.00	05/01/2016	116552001	A							
ISR		AMS-BSS-C1-113E	113.00	05/01/2016	116554001	A							
KOR		KOREASAT-2	113.00	12/05/2000	100551014	B							
KOR		KOREASAT-2	113.00	12/05/2000	100551401	B							
HOL		NSS-BSS 113E	113.00	01/07/2011	111552018	A							
HOL		NSS-BSS 113E	113.00	01/07/2011	111554018	A							
HOL		NSS-BSS-G2 113E	113.00	11/12/2014	114552024	A							
HOL		NSS-BSS-G2 113E	113.00	11/12/2014	114554024	A							
HOL		NSS-BSS 113.5E	113.50	11/07/2016	108552013	B							
HOL		NSS-BSS 113.5E	113.50	11/07/2016	108554013	B							
KOR		KOREASAT-116E BSS	116.00	12/04/2011	111552013	A							
KOR		KOREASAT-116E BSS	116.00	12/04/2011	111554013	A							
KOR		KOREASAT-3	116.00	05/08/2005	96552029	B							
KOR		KOREASAT-3	116.00	05/08/2005	96554029	B							
INS		NUSANTARA-H1-30	116.10	17/03/2016	116552008	A							
INS		NUSANTARA-H1-30A	116.10	17/03/2016	116554008	A							
PNG		PACIFISAT BSS-116.1E	116.10	17/11/2015	112552018	B							
PNG		PACIFISAT BSS-116.1E	116.10	17/11/2015	112554018	B							
CHN		ASIASAT-BSS-118	118.00	16/03/2015	115552007	A							
BGD		BDSAT-119E-BSS	119.10	01/12/2016	116552030	A							
BGD		BDSAT-119E-BSS	119.10	01/12/2016	116554030	A							
RUS	IK	INTERSPUTNIK-119E-B	119.10	03/03/2016	110554018	B							
RUS	IK	INTERSPUTNIK-119E-B	119.10	23/03/2016	110552018	B							
CHN		ASIASAT-ABS	122.00	22/03/2005	96552001	B							
CHN		ASIASAT-DTH-A	122.00	30/11/2007	98552002	B							
CHN		ASIASAT-DTH-A1	122.20	12/03/2012	104552014	B							
CHN		CHNBSAT-125.7E	125.70	02/08/2012	112552014	A							
CHN		CHNBSAT-125.7E	125.70	02/08/2012	112554014	A							
F		F-SAT-BSS-127E	127.00	16/06/2017	117552015	A							
F		F-SAT-BSS-127E	127.00	16/06/2017	117554015	A							
LUX		DBL-G6-127.5E	127.50	20/12/2013	113552037	A							
LUX		DBL-G6-127.5E	127.50	20/12/2013	113554037	A							
J		NB-SAT-128E	128.00	28/02/2011	111552006	A							
J		NB-SAT-128E	128.00	28/02/2011	111554006	A							
J		NB-SAT-Y15-128E	128.00	23/01/2015	115552001	A							
J		NB-SAT-Y15-128E	128.00	23/01/2015	115554001	A							
F		LB-SAT-BSS-133E	133.00	28/07/2016	116552020	A							
F		LB-SAT-BSS-133E	133.00	28/07/2016	116554020	A							
CHN		CHNBSAT-134E	134.00	29/07/2011	111552023	A							
CHN		CHNBSAT-134E	134.00	29/07/2011	111554023	A							
QAT		QATARSAT-BSS-135.5E	135.50	17/04/2013	113552014	A							
QAT		QATARSAT-BSS-135.5E	135.50	17/04/2013	113554014	A							

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
F		F-SAT-BSS-136.5E	136.50	30/06/2017	117552016	A							
F		F-SAT-BSS-136.5E	136.50	30/06/2017	117554016	A							
ISR		AMS-BSS-137E	137.00	13/12/2012	112552028	A							
ISR		AMS-BSS-137E	137.00	13/12/2012	112554028	A							
LUX		DBL-G9-137E	137.00	06/01/2014	114552001	A							
LUX		DBL-G9-137E	137.00	06/01/2014	114554001	A							
RUS		RST-5A	140.00	07/05/2018	115552011	B							
RUS		RST-5A	140.00	07/05/2018	115554011	B							
UAE		YAHSAT-BSS-142E	142.00	18/09/2016	116552025	A							
UAE		YAHSAT-BSS-142E	142.00	18/09/2016	116554025	A							
F		F-SAT-E-BSS-143E	143.00	30/06/2014	114552013	A							
F		F-SAT-E-BSS-143E	143.00	30/06/2014	114554013	A							
PNG		PACIFISAT BSS-146.1E	146.10	30/05/2011	111552015	A							
PNG		PACIFISAT BSS-146.1E	146.10	30/05/2011	111554015	A							
G		USAT-G14 148E	148.00	19/12/2014	114552026	A							
G		USAT-G14 148E	148.00	19/12/2014	114554026	A							
PNG		PACIFISAT BSS-148.1E	148.10	24/05/2011	111552014	A							
PNG		PACIFISAT BSS-148.1E	148.10	30/05/2011	111554014	A							
J		NB-SAT-Y16-150E	150.00	10/08/2016	116552021	A							
J		NB-SAT-Y16-150E	150.00	10/08/2016	116554021	A							
J		NB-SAT-150.5E	150.50	28/01/2014	114552006	A							
J		NB-SAT-150.5E	150.50	28/01/2014	114554006	A							
F		F-SAT-BSS-152E	152.00	15/06/2018	118552004	A							
F		F-SAT-BSS-152E	152.00	15/06/2018	118554004	A							
F		F-SAT-E-BSS-152E	152.00	15/07/2013	113552024	A							
F		F-SAT-E-BSS-152E	152.00	15/07/2013	113554024	A							
AUS		AUSSAT C 156E BSS	156.00	27/08/2009	104552007	B							
AUS		AUSSAT C 156E BSS	156.00	27/08/2009	104554003	B							
G		INTELSAT KUEXT 157E	157.00	21/06/2004	96552021	B							
PNG		NEW DAWN BSS-7	157.00	06/08/2013	113552020	A							
PNG		NEW DAWN BSS-7	157.00	06/08/2013	113554020	A							
AUS		AUSSAT E 160E BSS	160.00	28/02/2018	110552004	B							
AUS		AUSSAT E 160E BSS	160.00	28/02/2018	110554004	B							
PNG		NEW DAWN BSS-6	166.00	06/08/2013	113552019	A							
PNG		NEW DAWN BSS-6	166.00	06/08/2013	113554019	A							
F		F-SAT-BSS-169E	169.00	18/06/2018	118552005	A							
F		F-SAT-BSS-169E	169.00	18/06/2018	118554005	A							
F		F-SAT-E-BSS-172E	172.00	01/07/2013	113552023	A							
F		F-SAT-E-BSS-172E	172.00	01/07/2013	113554023	A							
G		UKPAC BSS-1	172.00	16/02/2012	112552004	A							
PNG		PACIFISAT BSS-176.1E	176.10	26/09/2013	113552029	A							
PNG		PACIFISAT BSS-176.1E	176.10	26/09/2013	113554029	A							



SECTION A11

LISTE DES RÉSEAUX À SATELLITE
GÉOSTATIONNAIRES DU SERVICE DE
RADIODIFFUSION PAR SATELLITE (SRS) ET DE
SES LIAISONS DE CONNEXION ASSOCIÉES
NOTIFIÉS ET PUBLIÉS EN APPLICATION DES
DISPOSITIONS DE L'ARTICLE 5 DES
APPENDICES 30 ET 30A DU RÈGLEMENT DES
RADIOCOMMUNICATIONS

A11 节

根据《无线电规则》附录 30 和 30A 第 5 条的
规定，已通知并已公布的卫星广播业务
(BSS) 对地静止卫星网络及其关联馈线链路
的清单

SECTION A11

LIST OF GEOSTATIONARY-SATELLITE NETWORKS
IN THE BROADCASTING-SATELLITE SERVICE (BSS)
AND ITS ASSOCIATED FEEDER LINKS NOTIFIED
AND PUBLISHED IN APPLICATION OF THE
PROVISIONS OF ARTICLE 5 OF APPENDICES 30
AND 30A OF THE RADIO REGULATIONS

РАЗДЕЛ А11

СПИСОК ГЕОСТАЦИОНАРНЫХ СПУТНИКОВЫХ
СЕТЕЙ В РАДИОВЕЩАТЕЛЬНОЙ СПУТНИКОВОЙ
СЛУЖБЕ (РСС) И СВЯЗАННЫЕ С НИМИ
ФИДЕРНЫЕ ЛИНИИ, ЗАЯВЛЕННЫЕ И
ОПУБЛИКОВАННЫЕ В ПРИМЕНЕНИЕ
ПОЛОЖЕНИЙ СТАТЬИ 5 ПРИЛОЖЕНИЙ 30 И 30А
РЕГЛАМЕНТА РАДИОСВЯЗИ

SECCIÓN A11

LISTA DE REDES DE SATÉLITES
GEOESTACIONARIOS DEL SERVICIO DE
RADIODIFUSIÓN POR SATÉLITE (SRS) Y SUS
ENLACES DE CONEXIÓN ASOCIADOS
NOTIFICADOS Y PUBLICADOS EN APLICACIÓN DE
LAS DISPOSICIONES DEL ARTÍCULO 5 DE LOS
APÉNDICES 30 Y 30A DEL REGLAMENTO DE
RADIOCOMUNICACIONES

القسم A11

قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض
في الخدمة الإذاعية الساتلية (BSS) ووصلات التغذية المصاحبة لها،
والتي تم التبليغ عنها ونشرها تطبيقاً لأحكام
المادة 5 من التنديين 30 و30A للوائح الراديو

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)							
							AP30			AP30A				
							Regions 1&3	Region 1	Region 2	Regions 1&3		Region 2		
							11.7-12.2	12.2-12.5	12.2-12.7	14.5-14.8	17.3-18.1	17.3-17.8		
USA		USABSS-9	-148.00	22/12/2005	105560025	II-S								
CAN		CAN-BSS4	-129.00	15/07/2005	105560010	II-S								
CAN		CAN-BSS7	-129.00	01/02/2010	110560002	II-S								
USA		USABSS-3	-119.20	04/05/2000	100560049	II-S								
USA		USABSS-3	-119.20	22/12/2005	105560021	II-S								
USA		USABSS-10	-119.00	01/10/2007	107560005	II-S								
USA		USABSS-14	-119.00	02/03/2010	110560003	II-S								
USA		USABSS-18	-119.00	06/02/2009	109560001	II-S								
USA		USABSS-31	-119.00	18/08/2017	117560012	II-S								
USA		USABSS-7A	-119.00	16/12/2005	105560020	II-S								
USA		USABSS-4	-118.80	22/12/2005	105560022	II-S								
USA		USABSS-4	-118.80	22/12/2005	105560023	II-S								
USA		USABSS-4	-118.80	22/12/2005	105560024	II-S								
USA		USABSS-6	-110.20	12/09/2005	105560017	II-S								
USA		USABSS-15	-110.00	02/03/2010	110560004	II-S								
USA		USABSS-16	-110.00	08/03/2012	112560001	II-S								
USA		USABSS-1M	-110.00	01/03/2004	104560001	II-S								
USA		USABSS-26	-110.00	06/10/2014	114560011	II-S								
USA		USABSS-30	-110.00	28/04/2016	116560018	II-S								
USA		USABSS-5	-109.80	12/09/2005	105560016	II-S								
USA		USABSS-1	-101.20	20/04/2000	100560034	II-S								
USA		USABSS-13	-101.20	23/11/2004	104560026	II-S								
USA		USABSS-1R	-101.20	01/03/2004	104560002	II-S								
USA		USABSS-21	-101.00	16/04/2013	113560008	II-S								
USA		USABSS-19	-100.85	01/08/2005	105560011	II-S								
USA		USABSS-2A	-100.85	20/04/2000	100560036	II-S								
USA		USABSS-2	-100.80	20/04/2000	100560035	II-S								
USA		USABSS-24	-100.80	05/03/2007	107560002	II-S								
G		BERMUDASAT-1	-96.20	11/04/2013	113560007	II-S								
CAN		CAN-BSS2	-91.10	03/07/2002	102560007	II-S								
CAN		CAN-BSS2X	-91.10	13/01/2014	114560002	II-S								
G		IOMSAT-S21	-86.50	23/04/2015	115560004	II-S								
G		USAT-S3 MOD-C	-86.50	27/06/2014	114560008	II-S								
G		USAT-S3 MOD-D	-86.50	04/12/2014	114560017	II-S								
CAN		CAN-BSS1	-82.00	03/07/2002	102560006	II-S								
CAN		CAN-BSS1X	-82.00	10/01/2014	114560001	II-S								
MEX		MEX-TDH1	-77.00	05/07/2005	105560009	II-S								
MEX		QUETZSAT-77	-77.00	01/06/2012	112560012	II-S								
CAN		CAN-BSS3	-72.70	15/12/2004	104560029	II-S								
CAN		CAN-BSS6	-72.70	16/08/2010	110560006	II-S								
B		B-SAT-3C	-70.00	04/07/2018	118560007	II-S								
USA		USABSS-17	-61.50	31/03/2010	110560005	II-S								

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)								
							AP30			AP30A					
							Regions 1&3	Region 1	Region 2	Regions 1&3		Region 2			
							11.7-12.2	12.2-12.5	12.2-12.7	14.5-14.8	17.3-18.1	17.3-17.8			
USA		USABSS-8	-61.50	17/10/2007	107560006	II-S									
G		INTELSAT KUEXT 304.5	-55.50	09/03/2006	106560007	I-S									
G		INTELSAT KUEXT 304.5	-55.50	19/09/2005	105560019	I-S									
G		INTELSAT KUEXT 304.5	-55.50	20/09/2005	105560018	I-S									
G		UKDIGISAT-4A	-33.50	05/11/2014	114560012	II-S									
G		UKDIGISAT-4A	-33.50	06/01/2015	115560001	II-S									
USA		USABSS-34	-31.50	13/04/2018	118560004	II-S									
E		HISPASAT 3C	-30.00	23/04/2008	108560005	II-S									
E		HISPASAT 3E	-30.00	23/04/2008	108560006	II-S									
E		HISPASAT-1	-30.00	16/08/1999	99500253	II-S									
E		HISPASAT-1	-30.00	16/08/1999	99500254	II-S									
E		HISPASAT-1	-30.00	18/10/1999	99500255	II-S									
E		HISPASAT-1	-30.00	18/10/1999	99500256	II-S									
E		HISPASAT-1	-30.00	26/05/1992	92500242	II-S									
E		HISPASAT-1	-30.00	26/05/1992	92500247	II-S									
E		HISPASAT-2	-30.00	12/05/2000	100560003	II-S									
E		HISPASAT-2	-30.00	18/10/2001	101560001	II-S									
E		HISPASAT-2	-30.00	25/07/1995	95560001	II-S									
E		HISPASAT-2	-30.00	25/07/1995	95560002	II-S									
E		HISPASAT-3	-30.00	12/05/2000	100560005	II-S									
E		HISPASAT-3	-30.00	16/05/2002	102560004	II-S									
E		HISPASAT-37A	-30.00	28/11/2017	117560019	II-S									
USA		USABSS-35	-29.50	30/05/2018	118560005	II-S									
ALG		ALGBSAT-24.8W	-24.80	13/11/2017	117560016	II-S									
ALG		ALGBSAT-24.8W	-24.80	13/11/2017	117560017	II-S									
LUX		DBL-G4-20W	-20.00	08/08/2017	117560010	II-S									
LUX		DBL-G4-20W	-20.00	08/08/2017	117560011	II-S									
RUS	IK	INTERSPUTNIK-16W-B	-16.00	04/02/2016	116560009	II-S									
F		F-SAT-E-BSS-12W	-12.50	28/02/2017	117560002	II-S									
F		F-SAT-E-BSS-12W	-12.50	28/02/2017	117560003	II-S									
F		F-SAT-E-BSS-7W	-7.00	07/08/2013	113560017	II-S									
F		F-SAT-E-BSS-7W	-7.00	07/08/2013	113560018	I-S									
EGY		NILESAT-102	-7.00	14/12/2007	107560008	II-S									
EGY		NILESAT-102	-7.00	14/12/2007	107560009	II-S									
EGY		NILESAT-103	-7.00	11/03/2013	113560005	II-S									
EGY		NILESAT-103	-7.00	11/03/2013	113560006	II-S									
EGY		NILESAT-1S	-7.00	12/05/2000	100560007	II-S									
EGY		NILESAT-1S	-7.00	12/05/2000	100560008	II-S									
F		RADIOSAT-5	-7.00	03/05/2000	100560043	II-S									
F		RADIOSAT-5	-7.00	03/05/2000	100560044	II-S									
F		RADIOSAT-5A	-7.00	03/05/2000	100560045	II-S									
F		RADIOSAT-5A	-7.00	12/05/2000	100560046	II-S									

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)					
							AP30			AP30A		
							Regions 1&3	Region 1	Region 2	Regions 1&3		Region 2
							11.7-12.2	12.2-12.5	12.2-12.7	14.5-14.8	17.3-18.1	17.3-17.8
F		RADIOSAT-5C	-7.00	01/06/2007	107560003	II-S						
F		RADIOSAT-5C	-7.00	01/06/2007	107560004	II-S						
NOR		BIFROST-4W-BSS	-4.00	30/04/2013	113560009	I-S						
NOR		BIFROST-4W-BSS	-4.00	30/04/2013	113560010	II-S						
PNG		AFRISAT BSS-3W	-3.00	04/12/2015	115560022	II-S						
PNG		AFRISAT BSS-3W	-3.00	25/06/2015	115560009	I-S						
BUL		BULSAT-BSS-1.2W	-1.20	07/11/2015	115560016	II-S						
BUL		BULSAT-BSS-1.2W	-1.20	07/11/2015	115560017	II-S						
NOR		BIFROST-10	-0.80	17/09/2004	104560017	II-S						
NOR		BIFROST-10	-0.80	17/09/2004	104560018	II-S						
NOR		BIFROST-11	-0.80	17/09/2004	104560019	II-S						
NOR		BIFROST-11	-0.80	17/09/2004	104560020	II-S						
NOR		BIFROST-12	-0.80	20/12/2004	104560021	I-S						
NOR		BIFROST-12	-0.80	20/12/2004	104560022	II-S						
NOR		BIFROST-13	-0.80	20/12/2004	104560023	I-S						
NOR		BIFROST-13	-0.80	20/12/2004	104560024	II-S						
NOR		BIFROST-16	-0.80	17/02/2005	105560001	II-S						
NOR		BIFROST-16	-0.80	17/02/2005	105560002	I-S						
NOR		BIFROST-17	-0.80	17/02/2005	105560003	II-S						
NOR		BIFROST-17	-0.80	17/02/2005	105560004	II-S						
NOR		BIFROST-18	-0.80	17/02/2005	105560005	I-S						
NOR		BIFROST-18	-0.80	17/02/2005	105560006	II-S						
NOR		BIFROST-19	-0.80	19/08/2005	105560014	I-S						
NOR		BIFROST-19	-0.80	19/08/2005	105560015	II-S						
NOR		BIFROST-6	-0.80	04/08/2004	104560007	II-S						
NOR		BIFROST-6	-0.80	04/08/2004	104560008	II-S						
NOR		BIFROST-7	-0.80	04/08/2004	104560009	II-S						
NOR		BIFROST-7	-0.80	04/08/2004	104560010	II-S						
NOR		BIFROST-8	-0.80	04/08/2004	104560011	II-S						
NOR		BIFROST-8	-0.80	04/08/2004	104560012	II-S						
NOR		BIFROST-9	-0.80	31/08/2004	104560015	II-S						
NOR		BIFROST-9	-0.80	31/08/2004	104560016	II-S						
NOR		EOE-BSS-2007	-0.80	11/11/2014	114560013	II-S						
BUL		BULSAT-BSS-1.2W-W	1.90	04/06/2014	114560007	II-S						
BUL		BULSAT-BSS-1.2W-W	1.90	07/11/2015	115560014	II-S						
BUL		BULSAT-BSS-1.2W-W	1.90	07/11/2015	115560015	II-S						
S		SIRIUS-5-BSS	4.80	22/09/2008	108560024	II-S						
S		SIRIUS-5-BSS	4.80	22/09/2008	108560025	II-S						
S		SIRIUS-6-BSS	4.80	19/12/2013	113560020	II-S						
S		SIRIUS-N-BSS	4.80	03/04/2018	118560003	II-S						
S		SIRIUS-2	5.00	05/05/2000	100560021	II-S						
S		SIRIUS-2	5.00	12/05/2000	100560024	II-S						

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)					
							AP30			AP30A		
							Regions 1&3	Region 1	Region 2	Regions 1&3		Region 2
							11.7-12.2	12.2-12.5	12.2-12.7	14.5-14.8	17.3-18.1	17.3-17.8
S		SIRIUS-4-BSS	5.00	16/02/2007	107560001	II-S						
S		TELE-X	5.00	06/09/1996	96500629	II-S						
S		TELE-X	5.00	06/09/1996	96500630	II-S						
S		SIRIUS	5.20	19/04/1993	93500314	II-S						
S		SIRIUS	5.20	19/04/1993	93500319	II-S						
S		SIRIUS-3	5.20	05/05/2000	100560025	II-S						
S		SIRIUS-3	5.20	12/05/2000	100560028	II-S						
F	EUT	EUTELSAT B-9E	9.00	16/06/2009	109560011	II-S						
F	EUT	EUTELSAT B-9E	9.00	16/06/2009	109560012	I-S						
F	EUT	EUTELSAT B-10E	10.00	16/03/2006	106560008	II-S						
F	EUT	EUTELSAT B-10E	10.00	16/03/2006	106560009	I-S						
F	EUT	EUTELSAT B-13E	13.00	11/02/2002	102560001	II-S						
F	EUT	EUTELSAT B-13E	13.00	18/12/2001	101560002	II-S						
F	EUT	EUTELSAT B-13E	13.00	26/01/2000	100500126	II-S						
F	EUT	EUTELSAT B-13E	13.00	27/01/2000	100500125	II-S						
RUS	IK	INTERSPUTNIK-17E-B	17.00	27/11/2015	115560020	I-S						
RUS	IK	INTERSPUTNIK-17E-B	17.00	27/11/2015	115560021	II-S						
LUX		DBL	19.20	10/03/1999	99500252	II-S						
LUX		DBL	19.20	12/05/2000	100560012	II-S						
LUX		DBL	19.20	17/06/2002	102560005	II-S						
LUX		DBL-G3-19.2E	19.20	05/04/2006	106560012	II-S						
LUX		DBL-G3-19.2E	19.20	23/04/2012	112560003	I-S						
LUX		DBL-24.2E	23.50	05/11/2004	104560025	II-S						
LUX		DBL-24.2E	23.50	08/12/2003	103560012	II-S						
LUX		DBL-24.2E	23.50	08/12/2003	103560013	II-S						
LUX		DBL-G3-23.5E	23.50	23/04/2012	112560004	I-S						
LUX		DBL-G3-23.5E	23.50	23/04/2012	112560005	II-S						
ARS	ARB	ARABSAT-BSS1	26.00	12/05/2000	100560047	II-S						
ARS	ARB	ARABSAT-BSS1	26.00	12/05/2000	100560048	II-S						
ARS	ARB	ARABSAT-BSS1A	26.00	22/03/2008	108560001	II-S						
ARS	ARB	ARABSAT-BSS1A	26.00	22/03/2008	108560002	I-S						
ARS	ARB	ARABSAT-BSS1B	26.00	22/03/2008	108560003	II-S						
ARS	ARB	ARABSAT-BSS1B	26.00	22/03/2008	108560004	I-S						
ARS	ARB	ARABSAT-VB26E	26.00	28/07/2010	110560009	II-S						
ARS	ARB	ARABSAT-VB26E	26.00	28/07/2010	110560010	II-S						
IRN		IRNDBS-2	26.00	27/03/2006	106560010	II-S						
IRN		IRNDBS-2	26.00	27/03/2006	106560011	II-S						
LUX		DBL-28.2E	28.20	12/05/2000	100560016	II-S						
LUX		DBL-28.2E	28.20	31/01/2000	100560013	II-S						
LUX		DBL-G3-28.2E	28.20	23/04/2012	112560006	I-S						
LUX		DBL-G3-28.2E	28.20	23/04/2012	112560007	II-S						
LUX		DBL-31.5E	31.50	08/08/2006	106560013	II-S						

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3	Region 1	Region 2	Regions 1&3		Region 2	
							11.7-12.2	12.2-12.5	12.2-12.7	14.5-14.8	17.3-18.1	17.3-17.8	
LUX		DBL-31.5E	31.50	08/08/2006	106560014	II-S							
LUX		DBL-G3-31.5E	31.50	21/01/2010	110560001	II-S							
LUX		DBL-G3-31.5E	31.50	23/04/2012	112560008	I-S							
F	EUT	EUTELSAT B-36E	36.00	02/06/2000	100560052	II-S							
F	EUT	EUTELSAT B-36E	36.00	20/11/2008	108560026	II-S							
F	EUT	EUTELSAT B-36E	36.00	20/11/2008	108560027	I-S							
F	EUT	EUTELSAT B-36E	36.00	25/04/2000	100500127	II-S							
RUS		RST-1	36.00	01/05/2000	100560017	II-S							
RUS		RST-1	36.00	01/05/2000	100560018	II-S							
RUS		RST-1	36.00	01/05/2000	100560019	II-S							
RUS		RST-1	36.00	01/05/2000	100560020	II-S							
RUS		RST-1	36.00	22/12/1998	98560001	II-S							
RUS		RST-1	36.00	22/12/1998	98560002	II-S							
RUS		RST-1	36.00	22/12/1998	98560003	II-S							
RUS		RST-1	36.00	22/12/1998	98560004	II-S							
RUS		RST-1A	36.00	03/05/2012	112560009	II-S							
RUS		RST-1A	36.00	23/03/2016	116560016	II-S							
PAK		PAKSAT-MM1-38.2E-BSS	38.20	27/11/2017	117560018	II-S							
GRC		GRC15002	39.00	22/01/2014	114560003	II-S							
GRC		GRC15002	39.00	22/01/2014	114560004	II-S							
CYP		KYPROS-SAT-4	39.00	23/09/2016	116560026	I-S							
CYP		KYPROS-SAT-4	39.00	23/09/2016	116560027	II-S							
TUR		TURKSAT-BSS	42.00	13/06/2000	100560050	II-S							
TUR		TURKSAT-BSS	42.00	13/06/2000	100560051	II-S							
TUR		TURKSAT-BSS	42.00	16/04/2003	103560003	II-S							
TUR		TURKSAT-BSS	42.00	16/04/2003	103560004	II-S							
ARS	ARB	ARABSAT BSS 6F	44.50	11/03/2013	113560003	II-S							
ARS	ARB	ARABSAT BSS 6F	44.50	11/03/2013	113560004	II-S							
D		EUROPESTAR-BSS-45E	45.00	28/02/2017	117560004	II-S							
F	EUT	EUTELSAT B-48E	48.00	07/03/2002	102560003	II-S							
F	EUT	EUTELSAT B-48E	48.00	27/02/2003	103560002	II-S							
F	EUT	EUTELSAT B-48.2E	48.20	13/10/2009	109560016	II-S							
F	EUT	EUTELSAT B-48.2E	48.20	13/10/2009	109560017	II-S							
HOL		NSS-BSS 50.75E	50.75	31/03/2017	117560007	II-S							
HOL		NSS-BSS 50.75E	50.75	31/03/2017	117560008	II-S							
G		AM-SAT AF3 BSS	51.00	15/12/2011	111560003	II-S							
G		AM-SAT AF3 BSS	51.00	15/12/2011	111560004	II-S							
G		AM-SAT AF3 BSS MOD-A	51.00	18/09/2017	117560022	II-S							
G		AM-SAT AF3 BSS MOD-A	51.00	18/09/2017	117560023	II-S							
MCO		MCO-BSS-52E	52.00	25/06/2013	113560011	II-S							
MCO		MCO-BSS-52E	52.00	25/06/2013	113560012	II-S							
MCO		MCO-BSS-52EA	52.00	25/06/2013	113560013	II-S							

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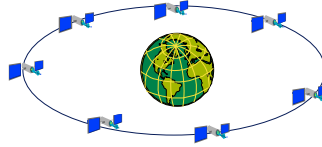
Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3	Region 1	Region 2	Regions 1&3		Region 2	
							11.7-12.2	12.2-12.5	12.2-12.7	14.5-14.8	17.3-18.1	17.3-17.8	
MCO		MCO-BSS-52EA	52.00	25/06/2013	113560014	II-S							
MCO		MCO-BSS-52EAP	52.00	25/06/2013	113560015	II-S							
MCO		MCO-BSS-52EAP	52.00	25/06/2013	113560016	II-S							
UAE		EMARSAT-1	52.50	20/11/2014	114560014	I-S							
UAE		EMARSAT-1	52.50	20/11/2014	114560015	II-S							
UAE		YAHSAT-BSS-52.5E	52.50	01/10/2017	117560014	II-S							
UAE		YAHSAT-BSS-52.5E	52.50	01/10/2017	117560015	II-S							
RUS		RST-2A	56.00	31/01/2013	113560001	II-S							
RUS		RST-2A	56.00	31/01/2013	113560002	I-S							
HOL		NSS-BSS 57E	57.00	02/08/2018	118560008	II-S							
HOL		NSS-BSS 57E	57.00	02/08/2018	118560009	II-S							
G		INTELSAT KUEXT 60E	60.00	28/04/2003	103560005	I-S							
UAE		YAHSAT-BSS2-60E	60.00	19/12/2017	117560020	II-S							
UAE		YAHSAT-BSS2-60E	60.00	19/12/2017	117560021	II-S							
UAE		YAHSAT-BSS-60E	60.00	01/09/2015	115560010	I-S							
UAE		YAHSAT-BSS-60E	60.00	01/09/2015	115560011	II-S							
PNG		PACIFISAT BSS-61E	61.00	04/06/2015	115560008	I-S							
PNG		PACIFISAT BSSA-61E	61.00	03/06/2015	115560007	I-S							
UAE		YAHSAT-BSS-63E	63.00	22/03/2016	116560014	II-S							
UAE		YAHSAT-BSS-63E	63.00	22/03/2016	116560015	II-S							
G		INTELSAT KUEXT 66E	66.00	01/10/2013	113560019	II-S							
G		INTELSAT KUEXT 66E	66.00	25/03/2004	104560003	II-S							
F		F-SAT-E-BSS-70.5E	70.50	10/12/2010	110560011	II-S							
F		F-SAT-E-BSS-70.5E	70.50	20/03/2015	115560003	II-S							
RUS IK		INTERSPUTNIK-74.9E-B	74.90	17/05/2012	112560010	I-S							
RUS IK		INTERSPUTNIK-74.9E-B	74.90	17/05/2012	112560011	II-S							
F		F-SAT-E-BSS-80.5E	80.50	19/02/2016	116560010	I-S							
F		F-SAT-E-BSS-80.5E	80.50	19/02/2016	116560011	II-S							
USA		USABSS-29	85.15	29/04/2014	114560005	I-S							
PNG		PACIFISAT BSS-85.3E	85.30	06/07/2017	117560009	II-S							
F		F-SAT-E-BSS-88.5E	88.50	19/02/2016	116560012	I-S							
F		F-SAT-E-BSS-88.5E	88.50	19/02/2016	116560013	II-S							
MLA		MEASAT-91.5E-BSS	91.50	07/06/2018	118560006	II-S							
MLA		MEASAT-91.5E-BSS	91.50	27/11/2014	114560016	II-S							
CHN		CHNBSAT-92.2E	92.20	28/08/2006	106560015	II-S							
CHN		CHNBSAT-92.2E	92.20	28/08/2006	106560016	I-S							
HOL		NSS-BSS 95E	95.00	09/03/2017	117560005	II-S							
HOL		NSS-BSS 95E	95.00	09/03/2017	117560006	II-S							
HOL		NSS-BSS 100E	100.00	07/08/2018	118560010	II-S							
HOL		NSS-BSS 100E	100.00	07/08/2018	118560011	II-S							
CHN		CHNBSAT-101.4E	101.40	13/09/2017	117560013	II-S							
CHN		CHNBSAT-101.4E	101.40	15/12/2015	115560023	II-S							

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3 11.7-12.2	Region 1 12.2-12.5	Region 2 12.2-12.7	Regions 1&3 14.5-14.8		Region 2 17.3-18.1	Region 2 17.3-17.8
HOL		NSS-BSS 108.2E	108.20	20/06/2016	116560021	I-S							
HOL		NSS-BSS 108.2E	108.20	20/06/2016	116560022	II-S							
J		NB-SAT-109.65-OD-EV	109.65	04/01/2016	116560003	II-S							
J		NB-SAT-109.65-OD-EV	109.65	04/01/2016	116560004	II-S							
J		TAIKI-109.65-34.5	109.65	05/03/2009	109560003	II-S							
J		BS-3N	109.85	03/01/1996	96500108	II-S							
J		BS-3N	109.85	03/01/1996	96500116	II-S							
J		BSAT-2N	109.85	30/11/2000	100560059	II-S							
J		BSAT-2N	109.85	30/11/2000	100560060	II-S							
J		JBSS-1N	109.85	04/07/2003	103560008	II-S							
J		JBSS-1N	109.85	04/07/2003	103560009	II-S							
J		NB-SAT-109.85AA	109.85	18/06/2010	110560007	II-S							
J		NB-SAT-109.85AA	109.85	24/12/2009	109560024	II-S							
J		NB-SAT-109.85-OD-EV	109.85	04/01/2016	116560005	II-S							
J		NB-SAT-109.85-OD-EV	109.85	04/01/2016	116560006	II-S							
J		BS-3	110.00	09/03/1990	90902815	II-S							
J		BS-3M	110.00	03/01/1996	96500124	II-S							
J		BS-3M	110.00	03/01/1996	96500132	II-S							
J		BSAT-2	110.00	30/11/2000	100560057	II-S							
J		BSAT-2	110.00	30/11/2000	100560058	II-S							
J		JBSS-1	110.00	04/07/2003	103560006	II-S							
J		JBSS-1	110.00	04/07/2003	103560007	II-S							
J		NB-SAT-110AA	110.00	18/06/2010	110560008	II-S							
J		NB-SAT-110AA	110.00	24/12/2009	109560025	II-S							
J		NB-SAT-110-EV	110.00	04/01/2016	116560001	II-S							
J		NB-SAT-110-EV	110.00	04/01/2016	116560002	II-S							
J		NB-SAT-110-OD	110.00	04/01/2016	116560007	II-S							
J		NB-SAT-110-OD	110.00	04/01/2016	116560008	II-S							
KOR		KOREASAT-2	113.00	12/05/2000	100560009	II-S							
KOR		KOREASAT-2	113.00	12/05/2000	100560010	II-S							
HOL		NSS-BSS 113.5E	113.50	11/07/2016	116560024	II-S							
HOL		NSS-BSS 113.5E	113.50	11/07/2016	116560025	II-S							
KOR		KOR11201	116.00	29/12/2016	116560028	II-S							
KOR		KOREASAT-1	116.00	06/06/1995	95500490	II-S							
KOR		KOREASAT-1	116.00	06/06/1995	95500496	II-S							
KOR		KOREASAT-1	116.00	20/11/1995	96500633	II-S							
KOR		KOREASAT-1	116.00	20/11/1995	96500639	II-S							
KOR		KOREASAT-3	116.00	05/08/2005	105560012	II-S							
KOR		KOREASAT-3	116.00	05/08/2005	105560013	II-S							
PNG		PACIFISAT BSS-116.1E	116.10	17/11/2015	115560018	I-S							
PNG		PACIFISAT BSS-116.1E	116.10	17/11/2015	115560019	II-S							
RUS	IK	INTERSPUTNIK-119E-B	119.10	03/03/2016	116560023	II-S							

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)						
							AP30			AP30A			
							Regions 1&3	Region 1	Region 2	Regions 1&3		Region 2	
							11.7-12.2	12.2-12.5	12.2-12.7	14.5-14.8	17.3-18.1	17.3-17.8	
RUS	IK	INTERSPUTNIK-119E-B	119.10	23/03/2016	116560017	II-S							
CHN		ASIASAT-ABS	122.00	07/04/2005	105560007	II-S							
CHN		ASIASAT-DTH-A	122.00	30/11/2007	107560007	II-S							
CHN		ASIASAT-DTH-A1	122.20	12/03/2012	112560002	I-S							
RUS		RST-5	140.00	01/08/2014	114560009	II-S							
RUS		RST-5	140.00	01/08/2014	114560010	II-S							
AUS		AUSSAT C 156E BSS	156.00	27/08/2009	109560014	II-S							
AUS		AUSSAT C 156E BSS	156.00	27/08/2009	109560015	II-S							
G		INTELSAT KUEXT 157E	157.00	21/06/2004	104560006	I-S							
AUS		AUSSAT E 160E BSS	160.00	28/02/2018	118560001	II-S							
AUS		AUSSAT E 160E BSS	160.00	28/02/2018	118560002	II-S							



SECTION A12

LISTE DES RÉSEAUX À SATELLITE
GÉOSTATIONNAIRES (FONCTIONS
D'EXPLOITATION SPATIALE DANS LES BANDES
DE GARDE) COMMUNIQUÉS ET PUBLIÉS EN
APPLICATION DES DISPOSITIONS DE
L'ARTICLE 2A DES APPENDICES 30 ET 30A DU
RÈGLEMENT DES RADIOCOMMUNICATIONS

A12 节

根据《无线电规则》附录 30 和 30A 第 2A 条的
规定，已通报并已公布的（在防护频带进行空
间操作的）对地静止卫星网络的清单

SECTION A12

LIST OF GEOSTATIONARY-SATELLITE NETWORKS
(SPACE OPERATION FUNCTIONS IN THE
GUARD BANDS) COMMUNICATED AND
PUBLISHED IN APPLICATION OF THE PROVISIONS
OF ARTICLE 2A OF APPENDICES 30 AND 30A OF
THE RADIO REGULATIONS

РАЗДЕЛ A12

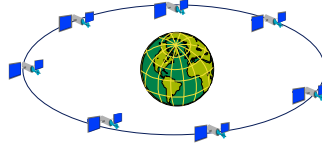
СПИСОК ГЕОСТАЦИОНАРНЫХ СПУТНИКОВЫХ
СЕТЕЙ (ФУНКЦИИ КОСМИЧЕСКОЙ
ЭКСПЛУАТАЦИИ В ЗАЩИТНЫХ ПОЛОСАХ),
СООБЩЕННЫХ И ОПУБЛИКОВАННЫХ В
ПРИМЕНЕНИЕ ПОЛОЖЕНИЙ СТАТЬИ 2А
ПРИЛОЖЕНИЙ 30 И 30А РЕГЛАМЕНТА
РАДИОСВЯЗИ

SECCIÓN A12

LISTA DE REDES DE SATÉLITES
GEOESTACIONARIOS (FUNCIONES DE
OPERACIONES ESPACIALES EN LAS BANDAS DE
GUARDA) COMUNICADAS Y PUBLICADAS EN
APLICACIÓN DE LAS DISPOSICIONES DEL
ARTÍCULO 2A DE LOS APÉNDICES 30 Y 30A DEL
REGLAMENTO DE RADIOCOMMUNICACIONES

القسم A12

قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض
(وظائف العمليات الفضائية في النطاقات الحارسة)
التي تم إرسالها ونشرها تطبيقاً لأحكام المادة 2A
من التذييلين 30 و 30A للوائح الراديو



SECTION A13

LISTE DES RÉSEAUX À SATELLITE
GÉOSTATIONNAIRE DU SERVICE FIXE PAR
SATELLITE (SFS) COMMUNIQUÉS ET PUBLIÉS EN
APPLICATION DES DISPOSITIONS DES
ARTICLES 6 ET 7 DE L'APPENDICE 30B DU
RÈGLEMENT DES RADIOCOMMUNICATIONS

SECTION A13

LIST OF GEOSTATIONARY-SATELLITE NETWORKS
IN THE FIXED-SATELLITE SERVICE (FSS)
COMMUNICATED AND PUBLISHED IN
APPLICATION OF THE PROVISIONS OF
ARTICLES 6 AND 7 OF APPENDIX 30B OF THE
RADIO REGULATIONS

SECCIÓN A13

LISTA DE REDES DE SATÉLITES
GEOESTACIONARIOS DEL SERVICIO FIJO POR
SATÉLITE (SFS) COMUNICADAS Y PUBLICADAS
EN APLICACIÓN DE LAS DISPOSICIONES DE LOS
ARTÍCULOS 6 Y 7 DEL APÉNDICE 30B DEL
REGLAMENTO DE RADIOCOMMUNICATIONS

A13 节

根据《无线电规则》附录 30B 第 6 和第 7 条的
规定，已通报并已公布的卫星固定业务
(FSS) 的对地静止卫星网络的清单

РАЗДЕЛ A13

СПИСОК ГЕОСТАЦИОНАРНЫХ СПУТНИКОВЫХ
СЕТЕЙ В ФИКСИРОВАННОЙ СПУТНИКОВОЙ
СЛУЖБЕ (ФСС), СООБЩЕННЫХ И
ОПУБЛИКОВАННЫХ В ПРИМЕНЕНИЕ
ПОЛОЖЕНИЙ СТАТЕЙ 6 И 7 ПРИЛОЖЕНИЯ 30В
РЕГЛАМЕНТА РАДИОСВЯЗИ

القسم A13

قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض في الخدمة
الثابتة الساتلية (FSS) التي تم إرسالها ونشرها تطبيقاً
لأحكام المادتين 6 و 7 من التذييل 30B للوائح الراديو

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Provision	Status	Band (GHz)						
								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25	
HOL		NSS-FSS 177W	-177.00	20/01/2014	114559006	AP30B#6.1A	Pending							
RUS		FOTON-3	-168.00	12/02/1992	92559002	Art 6 Sect IB	List							
F		F-SAT-30B-168W	-168.00	02/11/2017	117559052	AP30B#6.1A	Pending							
NCG		NICASAT-2-30B	-166.20	19/09/2017	117559047	AP30B#6.1A	Pending							
F		F-SAT-30B-165W	-165.00	02/11/2017	117559051	AP30B#6.1A	Pending							
RUS		ESDRN	-160.00	08/03/1994	94559001	Art 6 Sect IB	List							
F		F-SAT-30B-152W	-152.00	05/04/2017	117559018	AP30B#6.1A	Pending							
F		F-SAT-30B-146W	-146.00	04/04/2018	118559008	AP30B#6.1A	Pending							
F		F-SAT-30B-141.5W	-141.50	19/12/2017	117559063	AP30B#6.1A	Pending							
F		F-SAT-30B-139W	-139.00	01/03/2018	118559005	AP30B#6.1A	Pending							
HOL		NSS-FSS 137W	-137.00	22/12/2016	116559050	AP30B#6.1A	Pending							
HOL		NSS-FSS 135W	-135.00	20/01/2014	114559005	AP30B#6.1A	Pending							
F		F-SAT-E-30B-133W	-133.00	06/01/2015	115559001	AP30B#6.1A	Pending							
HOL		NSS-FSS 131W	-131.00	22/12/2016	116559051	AP30B#6.1A	Pending							
G		GIBSAT-FSS-G14 129W	-129.00	03/12/2014	114559061	AP30B#6.1A	Pending							
J		NFP-SAT-Y16-127W	-127.00	30/09/2016	116559035	AP30B#6.1A	Pending							
G		UKFSS-127W	-127.00	11/01/2017	117559002	AP30B#6.1A	Pending							
G		GIBSAT-FSS 125W	-125.00	05/08/2015	115559039	AP30B#6.1A	Pending							
USA		USASAT-101F	-125.00	02/05/2018	118559014	AP30B#6.1A	Pending							
G		UKFSS-124.9W	-124.90	12/01/2017	117559003	AP30B#6.1A	Pending							
F		CD-SAT FSS 123.1W	-123.10	01/08/2013	113559040	AP30B#6.1A	Pending							
F		CD-SAT-FSS-123.1W-G2	-123.10	02/03/2016	116559008	AP30B#6.1A	Pending							
G		UKFSS-122.9W	-122.90	12/01/2017	117559004	AP30B#6.1A	Pending							
F		F-SAT-E-30B-120W	-120.00	21/06/2013	113559031	AP30B#6.1A	Pending							
F		AL-SAT-FSS-119.9W	-119.90	07/03/2017	117559014	AP30B#6.1A	Pending							
RUS	IK	INTERSPUTNIK-118W-F	-118.10	16/06/2015	115559031	AP30B#6.1A	Pending							
MEX		MEXSAT 116.8 AP30B	-116.80	21/05/2012	112559016	AP30B#6.1A	Pending							
F		F-SAT-30B-115.9W	-115.90	16/06/2017	117559036	AP30B#6.1A	Pending							
F		F-SAT-E-30B-115.9W	-115.90	26/03/2013	113559010	AP30B#6.1A	Pending							
PNG		RAGGIANA AP30B-2	-115.00	23/04/2014	114559024	AP30B#6.1A	Pending							
F		F-SAT-30B-113W	-113.00	14/06/2017	117559034	AP30B#6.1A	Pending							
RUS	IK	INTERSPUTNIK-113W-F	-113.00	16/08/2011	111559029	AP30B#6.1A	Pending							
MEX		MEXSAT 113 AP30B	-113.00	26/11/2011	111559041	AP30B#6.1C	Pending							
MEX		MEXSAT 113 AP30B	-113.00	21/11/2012	111559041	AP30B#6.17	Pending							
PNG		RAGGIANA AP30B-1	-113.00	23/04/2014	114559023	AP30B#6.1A	Pending							
CAN		CANSAT-24X-30B	-111.10	14/09/2007	107559007	AP30B#6.1A	Pending							
CAN		CANSAT-24X-30B	-111.10	18/11/2010	107559007	AP30B#6.17	List							
J		NFP-SAT-110W	-110.00	29/01/2015	115559005	AP30B#6.1A	Pending							
CAN		CANSAT-68-30B	-109.20	18/04/2017	117559020	AP30B#6.1A	Pending							
MEX		MEXSAT 109.2 AP30B	-109.20	21/05/2012	112559015	AP30B#6.1A	Pending							
CAN		CANOEASTM	-107.50	07/05/2015	115559025	AP30B#6.1C	Pending							
CAN		CANSAT-67-30B	-107.50	07/05/2015	115559026	AP30B#6.1A	Pending							
RUS	IK	INTERSPUTNIK-107W-F	-107.00	16/06/2015	115559032	AP30B#6.1A	Pending							
CAN		MSAT	-106.50	29/09/1992	92559006	Art 6 Sect III	List							

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Provision	Status	Band (GHz)					
								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25
CAN		MSAT	-106.50	05/12/1994	94559014	Art 6 Sect III	List						
HOL		NSS-FSS 105W	-105.00	12/10/2012	112559035	AP30B#6.1A	Pending	█	█				
HOL		NSS-FSS-G1 105W	-105.00	22/12/2016	116559052	AP30B#6.1A	Pending	█	█				
HOL		NSS-FSS 103W	-103.00	23/12/2014	114559065	AP30B#6.1A	Pending	█	█				
F		LH-SAT FSS W102	-102.00	12/02/2014	114559012	AP30B#6.1A	Pending	█	█				
USA		MSV-1-30B-A	-101.30	09/06/2009	109559013	AP30B#6.1C	Pending	█	█				
USA		MSV-1-30B-A	-101.30	28/03/2017	109559013	AP30B#6.17	Pending	█	█				
USA		USA00001	-101.30	15/05/2018	118558001	AP30B#6.33C	Pending	█	█				
HOL		NSS-FSS 101W	-101.00	23/05/2016	116559017	AP30B#6.1A	Pending	█	█				
USA		USA00000	-101.00	25/05/1992	90558212	Art 6	Plan						
F		F-SAT-30B-100W	-100.00	04/04/2018	118559009	AP30B#6.1A	Pending	█	█				
F		F-SAT-E-30B-100W	-100.00	27/10/2014	114559054	AP30B#6.1A	Pending	█	█				
RUS	IK	INTERSPUTNIK-97.8W-F	-97.80	16/08/2011	111559028	AP30B#6.1A	Pending	█	█				
E		HISPASAT-35A	-97.50	03/10/2014	114559052	AP30B#6.1A	Pending	█	█				
E		HISPASAT-77A	-97.50	23/03/2018	118559006	AP30B#6.1A	Pending	█	█				
E		HISPASAT-8A	-97.50	27/09/2011	111559032	AP30B#6.1A	Pending	█	█				
S		OHO-30B-95W	-95.00	03/07/2013	113559035	AP30B#6.1A	Pending	█	█				
UAE		YAHSAT-FSS-95W	-95.00	18/09/2016	116559030	AP30B#6.1A	Pending	█	█				
F		ASAT FSS W094	-94.00	20/06/2011	111559019	AP30B#6.1A	Pending	█	█				
F		F-SAT-30B-94W	-94.00	29/05/2017	117559027	AP30B#6.1A	Pending	█	█				
F		LH-SAT FSS W094	-94.00	12/02/2014	114559011	AP30B#6.1A	Pending	█	█				
UAE		YAHSAT-FSS-93W	-93.00	18/09/2016	116559031	AP30B#6.1A	Pending	█	█				
F		ASAT FSS W092	-92.00	20/06/2011	111559018	AP30B#6.1A	Pending	█	█				
F		LH-SAT FSS W092	-92.00	12/02/2014	114559014	AP30B#6.1A	Pending	█	█				
PNG		PACIFISAT-FSS-92W	-92.00	22/04/2015	115559021	AP30B#6.1A	Pending	█	█				
D		ODYSSEY FSS-91W	-91.00	11/01/2017	117559001	AP30B#6.1A	Pending	█	█				
F		ASAT FSS W090	-90.00	26/07/2012	112559029	AP30B#6.1A	Pending	█	█				
F		F-SAT-30B-90W	-90.00	05/04/2018	118559010	AP30B#6.1A	Pending	█	█				
F		F-SAT-30B-88W	-88.00	05/04/2018	118559011	AP30B#6.1A	Pending	█	█				
F		F-SAT-E-30B-88W	-88.00	26/07/2013	113559039	AP30B#6.1A	Pending	█	█				
PNG		PACIFISAT-FSS-88W	-88.00	03/06/2015	115559029	AP30B#6.1A	Pending	█	█				
RUS	IK	IK-87W-F	-87.00	03/09/2015	115559042	AP30B#6.1A	Pending	█	█				
RUS	IK	INTERSPUTNIK-87W-F	-87.00	16/08/2011	111559027	AP30B#6.1A	Pending	█	█				
HOL		NSS-FSS 87W	-87.00	23/05/2016	116559018	AP30B#6.1A	Pending	█	█				
F		F-SAT-E-30B-84W	-84.00	28/06/2013	113559034	AP30B#6.1A	Pending	█	█				
HOL		NSS-FSS 83W	-83.00	23/05/2016	116559019	AP30B#6.1A	Pending	█	█				
UAE		YAHSAT-FSS-81W	-81.00	02/11/2015	115559050	AP30B#6.1A	Pending	█	█				
VEN		VENESAT-30B	-78.00	19/10/2007	107559019	AP30B#6.1A	Pending	█	█				
VEN		VENESAT-30B	-78.00	13/06/2011	107559019	AP30B#6.17	List						
HOL		NSS-FSS 77W	-77.00	12/02/2013	113559003	AP30B#6.1A	Pending	█	█				
HOL		NSS-FSS-G2 77W	-77.00	25/07/2013	113559038	AP30B#6.1A	Pending	█	█				
E		HISPASAT-24A	-74.00	21/05/2014	114559028	AP30B#6.1A	Pending	█	█				
E		HISPASAT-53A	-74.00	30/05/2016	116559021	AP30B#6.1A	Pending	█	█				
E		HISPASAT-78A	-74.00	08/06/2018	118559018	AP30B#6.1A	Pending	█	█				

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Provision	Status	Band (GHz)						
								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25	
E		HISPASAT-9A	-74.00	10/10/2011	111559036	AP30B#6.1A	Pending							
F		F-SAT-30B-72W	-72.00	20/04/2018	118559012	AP30B#6.1A	Pending							
G		GIBSAT-FSS 72W	-72.00	23/01/2015	115559002	AP30B#6.1A	Pending							
B		B-SAT-3K	-69.45	23/11/2012	112559044	AP30B#6.1A	Pending							
B		B-SAT-3K	-69.45	18/12/2015	112559044	AP30B#6.17	List							
S		OHO-30B-67.1W	-67.10	03/02/2012	112559008	AP30B#6.1A	Pending							
LUX		LUX-30B-G5-67W	-67.00	21/03/2012	112559010	AP30B#6.1A	Pending							
B		B 00011	-65.00	16/11/2012	112559056	AP30B#6.1C	Pending							
B		B 00011	-65.00	10/02/2017	112559056	AP30B#6.17	Pending							
B		B-SAT-3R	-65.00	16/11/2012	112559043	AP30B#6.1A	Pending							
B		B-SAT-3R	-65.00	21/02/2017	112559043	AP30B#6.17	Pending							
B		B-SAT-3R-1	-65.00	25/02/2014	114559017	AP30B#6.1A	Pending							
B		B-SAT-3I	-63.00	20/07/2012	112559028	AP30B#6.1A	Pending							
G		IOMSAT-63W-B	-63.00	11/03/2013	113559007	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-64W	-61.00	29/06/2001	101559010	Art 6 Sect II	List							
F	EUT	EUTELSAT EXB-64W C	-61.00	29/06/2001	101559009	Art 6 Sect II	List							
F		F-SAT-E-30B-61W	-61.00	09/09/2011	111559030	AP30B#6.1A	Pending							
E		HISPASAT-70A	-61.00	08/01/2018	118559001	AP30B#6.1A	Pending							
HOL		NSS-FSS 58W	-58.00	14/12/2015	115559058	AP30B#6.1A	Pending							
USA		USASAT 26G	-58.00	27/03/1996	96559005	Art 6 Sect III	List							
B		B 00022	-56.50	13/11/2012	112559055	AP30B#6.1C	Pending							
B		B 00022	-56.50	10/02/2017	112559055	AP30B#6.17	Pending							
B		B-SAT-3M	-56.50	13/11/2012	112559042	AP30B#6.1A	Pending							
F		F-SAT-30B-55.5W	-55.50	25/04/2018	118559013	AP30B#6.1A	Pending							
F		MM FSS 55.2W	-55.20	12/04/2011	111559014	AP30B#6.1A	Pending							
F		AL-SAT-FSS-55W	-55.00	02/03/2017	117559011	AP30B#6.1A	Pending							
F		MR-SAT FSS 53.5W	-53.50	07/05/2015	115559024	AP30B#6.1A	Pending							
PNG		PACIFISAT-FSS-53W	-53.00	05/08/2015	115559038	AP30B#6.1A	Pending							
E		HISPASAT-63A	-52.50	26/07/2016	116559026	AP30B#6.1A	Pending							
RUS	IK	INTERSPUTNIK-52.5W-F	-52.50	08/07/2011	111559023	AP30B#6.1A	Pending							
PNG		NEW DAWN FSS-1	-50.00	20/04/2012	112559014	AP30B#6.1A	Pending							
USA		USASAT-101B	-50.00	25/11/2014	114559060	AP30B#6.1A	Pending							
E		HISPASAT-40A	-47.50	11/05/2015	115559027	AP30B#6.1A	Pending							
E		HISPASAT-5A	-47.50	06/10/2011	111559034	AP30B#6.1A	Pending							
RUS	IK	IK-47.5W-F	-47.50	03/09/2015	115559043	AP30B#6.1A	Pending							
RUS	IK	INTERSPUTNIK-47.5W-F	-47.50	26/05/2010	110559014	AP30B#6.1A	Pending							
HOL		NSS-FSS 47.5W	-47.50	10/12/2012	112559049	AP30B#6.1A	Pending							
HOL		NSS-FSS-G2 47.5W	-47.50	19/11/2013	113559053	AP30B#6.1A	Pending							
G		IOMSAT-45W	-45.00	11/11/2011	111559040	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS-45W	-45.00	27/12/2010	110559036	AP30B#6.1A	Pending							
F		MR-SAT FSS 44W	-44.00	20/10/2015	115559048	AP30B#6.1A	Pending							
D		ODYSSEY FSS-43W	-43.00	04/11/2016	116559039	AP30B#6.1A	Pending							
USA		USASAT-55E	-43.00	20/08/2004	104559005	AP30B#6.1A	Pending							
USA		USASAT-55E	-43.00	09/03/2010	104559005	AP30B#6.17	List							

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								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25	
HOL		NSS-FSS 40.5W	-40.50	30/05/2008	108559003	AP30B#6.1A	Pending							
HOL		NSS-FSS 40.5W	-40.50	30/05/2016	108559003	AP30B#6.17	List							
HOL		NSS-FSS-G2 40.5W	-40.50	10/10/2011	111559037	AP30B#6.1A	Pending							
ISR		AMS-30B-A1-39.5W	-39.50	08/02/2018	118559003	AP30B#6.1A	Pending							
F		F-SAT-30B-39W	-39.00	13/12/2017	117559059	AP30B#6.1A	Pending							
PNG		PACIFISAT-FSS-39W	-39.00	05/08/2015	115559037	AP30B#6.1A	Pending							
HOL		NSS-FSS 37.5W	-37.50	10/12/2012	112559048	AP30B#6.1A	Pending							
HOL		NSS-FSS-G2 37.5W	-37.50	19/11/2013	113559052	AP30B#6.1A	Pending							
MNE		MNE00000	-36.60	15/01/2013	113559009	AP30B#6.1T	Pending							
E		HISPASAT-30A	-36.00	29/07/2014	114559039	AP30B#6.1A	Pending							
E		HISPASAT-62A	-36.00	22/07/2016	116559025	AP30B#6.1A	Pending							
E		HISPASAT-7A	-36.00	14/07/2011	111559024	AP30B#6.1A	Pending							
BOL		BOLSAT-2	-34.80	01/09/2017	117559044	AP30B#6.1C	Pending							
G		UKFSS-34.5W	-34.50	05/08/2013	113559041	AP30B#6.1A	Pending							
ALG		ALGFSAT-33.5W	-33.50	29/11/2012	112559046	AP30B#6.1A	Pending							
G		UKMMSAT-A4	-33.50	28/05/2012	112559018	AP30B#6.1A	Pending							
ISR		AMS-30B-33W	-33.00	27/10/2011	111559038	AP30B#6.1A	Pending							
ISR		AMS-30B-A1-33W	-33.00	23/12/2015	115559061	AP30B#6.1A	Pending							
CZE		CZE00000	-31.90	07/01/2008	108558002	AP30B#7.2	Plan							
E		HISPASAT-1C	-30.00	14/09/1999	99559004	Art 6 Sect I	List							
E		HISPASAT-1E	-30.00	10/10/2007	107559010	AP30B#6.1A	Pending							
E		HISPASAT-1E	-30.00	04/09/2012	107559010	AP30B#6.17	List							
E		HISPASAT-1E-M	-30.00	15/12/2011	111559044	AP30B#6.1A	Pending							
E		HISPASAT-1E-M	-30.00	06/06/2018	111559044	AP30B#6.25	Pending							
E		HISPASAT-23A	-30.00	02/04/2014	114559022	AP30B#6.1A	Pending							
F		F-SAT-30B-28W	-28.00	29/05/2017	117559026	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS2-28W	-28.00	02/11/2015	115559053	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS-28W	-28.00	27/12/2010	110559037	AP30B#6.1A	Pending							
ISR		AMS-30B-26W	-26.00	29/06/2011	111559022	AP30B#6.1A	Pending							
ISR		AMS-30B-A2-26W	-26.00	06/02/2017	117559007	AP30B#6.1A	Pending							
E		HISPASAT-34A	-26.00	02/10/2014	114559051	AP30B#6.1A	Pending							
E		HISPASAT-6A	-26.00	27/09/2011	111559031	AP30B#6.1A	Pending							
RUS	IK	IK-26W-F	-26.00	15/09/2015	115559046	AP30B#6.1A	Pending							
RUS	IK	INTERSPUTNIK-26W-F	-26.00	21/09/2010	110559028	AP30B#6.1A	Pending							
RUS	IK	INTERSPUTNIK-26W-F	-26.00	28/02/2017	110559028	AP30B#6.17	Pending							
J		NFP-SAT-26W	-26.00	29/01/2015	115559006	AP30B#6.1A	Pending							
QAT		QATARSAT-30B-26W	-26.00	24/03/2016	116559010	AP30B#6.1A	Pending							
F		AL-SAT-FSS-22.5W	-22.50	02/03/2017	117559013	AP30B#6.1A	Pending							
HOL		NSS-FSS-G2 22W	-22.00	15/02/2013	113559004	AP30B#6.1A	Pending							
LUX		LUX-30B-G4-20W	-20.00	01/10/2009	109559015	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS-20W	-20.00	25/09/2013	113559047	AP30B#6.1A	Pending							
G		UKFSS-18W	-18.00	05/08/2013	113559042	AP30B#6.1A	Pending							
G		UKFSS-18W-A	-18.00	04/08/2014	114559040	AP30B#6.1A	Pending							
USA		USASAT-101E	-18.00	29/09/2016	116559034	AP30B#6.1A	Pending							

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								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25
UAE		YAHSAT-FSS-18W	-18.00	02/11/2015	115559051	AP30B#6.1A	Pending						
RUS	IK	IK-16W-F	-16.00	03/09/2015	115559044	AP30B#6.1A	Pending						
RUS	IK	INTERSPUTNIK-16W-F	-16.00	26/05/2010	110559015	AP30B#6.1A	Pending						
RUS	IK	INTERSPUTNIK-16W-F	-16.00	14/07/2017	110559015	AP30B#6.17	Pending						
RUS		WSDRN	-16.00	08/03/1994	94559003	Art 6 Sect IB	List						
RUS		WSDRN-M	-16.00	23/12/2005	105559067	AP30B#6.1A	List						
RUS		WSDRN-M	-16.00	28/11/2013	105559067	AP30B#6.17	List						
RUS		ZSSRD-2	-16.00	01/08/1989	89559004	Art 6 Sect IB	List						
G		IOMSAT-15W-B	-15.00	29/01/2013	113559001	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AXB14W	-14.00	03/07/2010	110559019	AP30B#6.1A	Pending						
RUS		FOTON-1	-13.50	12/02/1992	92559001	Art 6 Sect IB	List						
F	EUT	EUTELSAT EXB-12.5W	-12.50	16/05/2005	105559002	AP30B#6.1A	List						
F	EUT	EUTELSAT EXB-12.5W	-12.50	26/05/2011	105559002	AP30B#6.17	List						
F		F-SAT-30B-12.5W	-12.50	06/06/2016	116559022	AP30B#6.1A	Pending						
E		HISPASAT-45A	-10.25	17/12/2015	115559060	AP30B#6.1A	Pending						
F		MM FSS 10.25W	-10.25	08/04/2011	111559013	AP30B#6.1A	Pending						
LTU		LTU00000	-9.30	20/07/2007	107558001	AP30B#7.2	Plan						
CHN		CHINASAT-30B-8.5W	-8.50	12/10/2012	112559033	AP30B#6.1A	Pending						
F		F-SAT-30B-8W	-8.00	12/04/2017	117559019	AP30B#6.1A	Pending						
F		F-SAT-E-30B-8W	-8.00	12/06/2012	112559021	AP30B#6.1A	Pending						
F		TELECOM-30B	-8.00	20/12/1999	99559005	Art 6 Sect IA	List						
HNG		HNG00000	-7.50	19/02/1998	90558100	Art 6	Plan						
F		F-SAT-30B-7W	-7.00	29/06/2016	116559024	AP30B#6.1A	Pending						
F		F-SAT-E-30B-7W	-7.00	21/07/2005	105559006	AP30B#6.1A	Pending						
F		F-SAT-E-30B-7W	-7.00	31/05/2013	105559006	AP30B#6.17	List						
F		GEOSAT-30B	-7.00	30/11/2001	101559043	Art 6 Sect III	List						
ISR		AMOS-II 4W	-4.00	02/10/1995	95559001	Art 6 Sect IA	List						
ISR		AMS-30B-4W	-4.00	19/08/2010	110559024	AP30B#6.1A	Pending						
HNG		CERES-1	-4.00	07/04/1997	97559002	Art 6 Sect II	List						
HNG		CERES-1	-4.00	08/11/2006	106559008	AP30B#6.1A	Pending						
HNG		CERES-1	-4.00	08/12/2010	106559008	AP30B#6.17	Pending						
HNG		CERES-1	-4.00	29/11/2012	112559045	AP30B#6.1A	Pending						
HNG		CERES-1E	-4.00	05/05/2015	115559023	AP30B#6.1A	Pending						
PNG		AFRISAT 3W-PC	-3.00	17/08/2010	110559022	AP30B#6.1A	Pending						
PNG		AFRISAT 3W-PKU	-3.00	17/08/2010	110559023	AP30B#6.1A	Pending						
PNG		AFRISAT 3W-PKU	-3.00	02/12/2016	110559023	AP30B#6.25	List						
F		LH-SAT FSS 2.4W	-2.40	28/03/2014	114559021	AP30B#6.1A	Pending						
D		ODYSSEY FSS-1W	-1.00	05/10/2016	116559036	AP30B#6.1A	Pending						
NOR		BIFROST 2 FSS	-0.80	04/07/1996	96559009	Art 6 Sect IA	List						
NOR		BIFROST-3-FSS	-0.80	18/06/2002	102559001	Art 6 Sect II	List						
NOR		BIFROST-5-FSS	-0.80	23/10/2012	112559038	AP30B#6.1A	Pending						
F		EG-SAT-FSS-0.4W	-0.40	10/11/2017	117559053	AP30B#6.1A	Pending						
QAT		QATARSAT-30B-0.9E	0.90	11/12/2011	111559042	AP30B#6.1A	Pending						
QAT		QATARSAT-30B-0.9E-G2	0.90	28/11/2016	116559043	AP30B#6.1A	Pending						

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								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25	
F		F-SAT-30B-1.6E	1.60	31/05/2017	117559030	AP30B#6.1A	Pending							
BUL		BULSAT-30B-1.9E	1.90	29/04/2014	114559025	AP30B#6.1A	Pending							
CTI	RAS	RASCOM-1F	2.90	07/11/2003	103559025	Art 6 Sect II	List							
CTI	RAS	RASCOM-2F	2.90	19/12/2002	102559002	Art 6 Sect II	List							
S		SIRIUS-30B	5.00	03/10/1996	96559010	Art 6 Sect IA	List							
S		SIRIUS-30B-5E	5.00	05/07/2003	103559009	Art 6 Sect II	List							
S		SIRIUS-30B-5E-3	5.00	15/12/2005	105559046	AP30B#6.1A	List							
S		SIRIUS-30B-5E-3	5.00	12/12/2013	105559046	AP30B#6.17	List							
S		SIRIUS-30B-5E-4	5.00	17/11/2007	107559027	AP30B#6.1A	Pending							
S		SIRIUS-30B-5E-4	5.00	26/10/2015	107559027	AP30B#6.17	List							
S		SIRIUS-30B-5E-5	5.00	23/01/2012	112559007	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-7E	7.00	17/07/2000	100559003	Art 6 Sect II	List							
F	EUT	EUTELSAT EXB-7E	7.00	05/10/2001	101559042	Art 6 Sect II	List							
F	EUT	EUTELSAT EXB-7E	7.00	07/11/2006	106559007	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-7E	7.00	03/10/2014	106559007	AP30B#6.17	List							
F		F-SAT-30B-7E	7.00	11/07/2017	117559040	AP30B#6.1A	Pending							
F		F-SAT-E-30B-7E	7.00	30/06/2014	114559035	AP30B#6.1A	Pending							
F		DUNIA-2-FSS-PLAN	8.00	15/04/2010	110559007	AP30B#6.1A	Pending							
F		F-SAT-30B	9.00	05/07/2003	103559014	Art 6 Sect III	List							
F		F-SAT-30B-9E	9.00	20/06/2017	117559037	AP30B#6.1A	Pending							
F		F-SAT-E-30B-9E	9.00	21/06/2013	113559030	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-10E	10.00	29/06/2001	101559020	Art 6 Sect II	List							
F		F-SAT-30B-10E	10.00	12/05/2016	116559015	AP30B#6.1A	Pending							
F		F-SAT-30B-11.5E	11.50	22/12/2017	117559064	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-13E	13.00	21/03/1997	97559001	Art 6 Sect II	List							
F	EUT	EUTELSAT EXB-13E	13.00	14/03/2006	106559002	AP30B#6.1A	List							
F	EUT	EUTELSAT EXB-13E	13.00	03/03/2014	106559002	AP30B#6.17	List							
F	EUT	EUTELSAT EXB-37.2W	13.00	01/06/2001	101559008	Art 6 Sect II	List							
F		F-SAT-30B-13E	13.00	16/01/2017	117559005	AP30B#6.1A	Pending							
F		F-SAT-E-30B-13E	13.00	16/03/2011	111559011	AP30B#6.1A	Pending							
CHN		ITS-30B-13.5	13.50	03/04/2012	112559012	AP30B#6.1A	Pending							
F		F-SAT-30B-14.5E	14.50	28/04/2017	117559021	AP30B#6.1A	Pending							
QAT		QATARSAT-30B-14.5E	14.50	27/03/2013	113559011	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-16E	16.00	29/05/2001	101559001	Art 6 Sect II	List							
F		F-SAT-30B-16E	16.00	17/03/2017	117559016	AP30B#6.1A	Pending							
F		F-SAT-E-30B-16E	16.00	26/10/2012	112559039	AP30B#6.1A	Pending							
ISR		AMS-30B-17E	17.00	08/06/2010	110559017	AP30B#6.1A	Pending							
LUX		GDL-6	19.20	24/08/1987	90558513	Art 6 Sect IB	List							
LUX		GDL-6	19.20	22/03/1990	90559004	Art 6 Sect IB	List							
LUX		GDL-6	19.20	18/01/1993	93559001	Art 6 Sect IB	List							
LUX		GDL-6	19.20	14/11/1995	95559003	Art 6 Sect IB	List							
LUX		LUX-30B-5	19.20	05/07/2003	103559010	Art 6 Sect II	List							
LUX		LUX-30B-G4-19.2E	19.20	17/11/2007	107559022	AP30B#6.1A	Pending							
LUX		LUX-30B-G4-19.2E	19.20	11/11/2015	107559022	AP30B#6.17	Pending							

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								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25
F		F-SAT-30B-21.5E	21.50	25/05/2016	116559020	AP30B#6.1A	Pending						
F		F-SAT-E-30B-21.5E	21.50	25/11/2005	105559027	AP30B#6.1A	Pending						
F		F-SAT-E-30B-21.5E	21.50	01/03/2013	105559027	AP30B#6.17	List						
ISR		AMS-30B-23E	23.00	28/02/2011	111559009	AP30B#6.1A	Pending						
LUX		LUX-30B-6	23.50	05/07/2003	103559011	Art 6 Sect II	List						
LUX		LUX-30B-G4-23.5E	23.50	17/11/2007	107559024	AP30B#6.1A	Pending						
LUX		LUX-30B-G4-23.5E	23.50	22/05/2015	107559024	AP30B#6.17	List						
LUX		LUX-30B-G5-23.5E	23.50	18/03/2016	116559009	AP30B#6.1A	Pending						
SDN		SUDANSATFSS-1	23.55	16/03/2011	111559012	AP30B#6.1C	Pending						
SDN		SUDANSATFSS-1	23.55	10/06/2012	111559012	AP30B#6.17	List						
IRN		IRN-24.19E	24.19	03/01/2016	116559001	AP30B#6.1C	Pending						
IRN		IRN-30B-24.19E	24.19	16/01/2016	116559003	AP30B#6.1A	Pending						
F		F-SAT-30B-25.5E	25.50	30/06/2017	117559038	AP30B#6.1A	Pending						
F		F-SAT-E-30B-25.5E	25.50	26/06/2013	113559032	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AX26E	26.00	16/12/2012	112559052	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AX26E C	26.00	16/12/2012	112559059	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AX26E KU	26.00	16/12/2012	112559060	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AXB26E	26.00	18/04/2011	107559004	AP30B#6.17	List						
ARS	ARB	ARABSAT-AXB26E	26.00	22/05/2012	112559017	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AXB26E C	26.00	18/04/2011	107559033	AP30B#6.17	List						
ARS	ARB	ARABSAT-AXB26E C	26.00	22/05/2012	112559057	AP30B#6.1A	Pending						
QAT	ARB	ARABSAT-AXB26E KU	26.00	18/04/2011	107559034	AP30B#6.17	List						
QAT	ARB	ARABSAT-AXB26E KU	26.00	22/05/2012	112559058	AP30B#6.1A	Pending						
QAT	ARB	ESHAILSAT-26E-2	26.00	18/04/2011	107559034	AP30B#6.17	List						
QAT	ARB	ESHAILSAT-26E-3	26.00	22/05/2012	112559058	AP30B#6.1A	Pending						
QAT		QATARSAT-30B-26E	26.00	09/12/2012	112559047	AP30B#6.1A	Pending						
LUX		LUX-30B-7	28.20	05/07/2003	103559012	Art 6 Sect II	List						
LUX		LUX-30B-G4-28.2E	28.20	17/11/2007	107559025	AP30B#6.1A	Pending						
LUX		LUX-30B-G4-28.2E	28.20	16/11/2015	107559025	AP30B#6.17	List						
F	EUT	EUTELSAT EXB-28.5E	28.50	29/05/2001	101559002	Art 6 Sect II	List						
F		F-SAT-30B-28.5E	28.50	11/07/2017	117559039	AP30B#6.1A	Pending						
F		F-SAT-E-30B-28.5E	28.50	19/06/2013	113559027	AP30B#6.1A	Pending						
LBY		LBY00000	28.90	19/07/2007	111558001	AP30B#6.33C	Plan						
ARS	ARB	ARABSAT-AXB30.5E	30.50	04/06/2012	112559019	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AXB30E	30.90	28/02/2005	105559001	AP30B#6.1A	List						
ARS	ARB	ARABSAT-AXB30E	30.90	21/02/2011	105559001	AP30B#6.17	List						
LUX		LUX-30B-G5-31.5E	31.50	12/12/2016	116559046	AP30B#6.1A	Pending						
F	EUT	EUTELSAT EXB-33E	33.00	29/06/2001	101559014	Art 6 Sect II	List						
F		F-SAT-30B-33E	33.00	05/12/2016	116559044	AP30B#6.1A	Pending						
F		F-SAT-E-30B-33E	33.00	14/01/2011	111559001	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AXB34E	34.00	26/12/2012	112559054	AP30B#6.1A	Pending						
IRN		IRN-30B-34E	34.00	08/07/2012	112559027	AP30B#6.1A	Pending						
ARS	ARB	ARABSAT-AXB34.5E	34.50	29/12/2010	110559038	AP30B#6.1A	Pending						
F		F-SAT-30B-34.5E	34.50	07/06/2017	117559032	AP30B#6.1A	Pending						

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								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25	
RUS		STATSIONAR-D3	35.00	13/07/2001	101559037	Art 6 Sect IB	List							
F	EUT	EUTELSAT EXB-36E	36.00	16/05/2005	105559003	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-36E	36.00	01/02/2013	105559003	AP30B#6.17	List							
F		F-SAT-30B-36E	36.00	17/06/2016	116559023	AP30B#6.1A	Pending							
PAK		PAKSAT-MM1-38.2E-FSS	38.20	17/12/2015	115559059	AP30B#6.1A	Pending							
ARS	ARB	ARABSAT-AXB39E	39.00	19/06/2013	113559028	AP30B#6.1A	Pending							
GRC		HELLAS-SAT-3G	39.00	29/12/2008	108559011	AP30B#6.1A	Pending							
GRC		HELLAS-SAT-3G	39.00	01/06/2016	108559011	AP30B#6.25	Pending							
GRC		HELLAS-SAT-4G	39.00	18/11/2015	115559056	AP30B#6.1A	Pending							
CYP		KYPROS-SAT-3	39.00	25/06/2010	110559018	AP30B#6.1A	Pending							
CYP		KYPROS-SAT-3	39.00	22/09/2017	110559018	AP30B#6.25	Pending							
CYP		KYPROS-SAT-6	39.00	20/08/2015	115559040	AP30B#6.1A	Pending							
RUS		EXPRESS-4P	40.00	15/08/2011	111559026	AP30B#6.1A	Pending							
RUS		EXPRESS-4P	40.00	26/02/2015	111559026	AP30B#6.17	List							
S		OHO-30B-41E	41.00	19/12/2014	114559064	AP30B#6.1A	Pending							
LUX		LUX-30B-G4-42E	42.00	01/10/2009	109559016	AP30B#6.1A	Pending							
TUR		TURKSAT-42E-FSS	42.00	19/12/2008	108559010	AP30B#6.1A	Pending							
TUR		TURKSAT-42E-FSS	42.00	23/10/2015	108559010	AP30B#6.17	List							
TUR		TURKSAT-42E-FSS-2	42.00	15/02/2016	116559006	AP30B#6.1A	Pending							
SEY		SEY00000	42.50	16/03/1990	108558001	Art 6	Plan							
ISR		AMS-30B-43E	43.00	31/10/2011	111559039	AP30B#6.1A	Pending							
ISR		AMS-30B-C2-43E	43.00	06/02/2017	117559009	AP30B#6.1A	Pending							
IRN		IRN-30B-43.5E	43.50	02/12/2017	117559054	AP30B#6.1A	Pending							
ARS	ARB	ARABSAT-AXB-44.5E	44.50	24/08/2014	114559049	AP30B#6.1A	Pending							
D		EUROPESTAR FSS-45E	45.00	04/06/2014	114559032	AP30B#6.1A	Pending							
E		HISPASAT-11A	45.00	13/05/2013	113559024	AP30B#6.1A	Pending							
RUS		STATSIONAR-D4	45.00	13/07/2001	101559038	Art 6 Sect IB	List							
LUX		LUX-30B-G4-47E	47.00	01/10/2009	109559017	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS-47.5E	47.50	02/10/2013	113559050	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-48E	48.00	29/06/2001	101559016	Art 6 Sect II	List							
F		F-SAT-30B-48E	48.00	01/02/2017	117559006	AP30B#6.1A	Pending							
IND		INSAT-EXC (48E)	48.00	16/04/2013	113559016	AP30B#6.1A	Pending							
IND		INSAT-KUP-FSS (48E)	48.00	30/03/2015	115559008	AP30B#6.1A	Pending							
F		F-SAT-E-30B-48.2E	48.20	29/04/2011	111559015	AP30B#6.1A	Pending							
RUS		YAMAL-FSS-49E	49.00	26/05/2014	114559029	AP30B#6.1A	Pending							
HOL		NSS-FSS 50.5E	50.50	05/10/2017	117559049	AP30B#6.1A	Pending							
BLR		BLR-FSS2-51.5E	51.50	24/11/2014	114559059	AP30B#6.1A	Pending							
BLR		BLR-FSS-51.5E	51.50	24/11/2010	110559032	AP30B#6.1A	Pending							
BLR		BLR-FSS-51.5E	51.50	13/12/2017	110559032	AP30B#6.25	Pending							
MCO		MCO00000	52.00	01/11/2011	114558001	AP30B#6.33C	Plan							
MCO		MCO-FSS-52E	52.00	08/06/2005	105559004	AP30B#6.1C	Pending							
MCO		MCO-FSS-52E	52.00	03/06/2011	105559004	AP30B#6.25	List							
MCO		MCO-FSS-52EA	52.00	20/12/2010	110559034	AP30B#6.1A	Pending							
MCO		MCO-FSS-52EA TTC	52.00	29/01/2014	114559010	AP30B#6.1A	Pending							

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								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25	
MCO		MCO-FSS-52EAP	52.00	24/08/2012	112559032	AP30B#6.1A	Pending							
MCO		MCO-FSS-52EB	52.00	30/03/2018	118559007	AP30B#6.1A	Pending							
LUX		LUX-30B-G5-52.2E	52.20	28/03/2012	112559011	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS2-52.5E	52.50	02/10/2013	113559051	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS3-52.5E	52.50	02/11/2015	115559055	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS-52.5E	52.50	06/04/2010	110559006	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS-52.5E	52.50	04/04/2018	110559006	AP30B#6.25	Pending							
RUS		EXPRESS-5P	53.00	19/02/2009	109559002	AP30B#6.1A	Pending							
RUS		EXPRESS-5P	53.00	06/07/2011	109559002	AP30B#6.17	List							
F		F-SAT-30B-53E	53.00	13/02/2017	117559010	AP30B#6.1A	Pending							
IND		INSAT-EXC55E	55.00	30/04/2013	113559018	AP30B#6.1A	Pending							
IND		INSAT-KUP-FSS(55E)	55.00	30/03/2015	115559009	AP30B#6.1A	Pending							
G		UKMMSAT-4E	55.00	11/11/2014	114559057	AP30B#6.1A	Pending							
RUS		YAMAL-FSS-55E	55.00	21/06/2011	111559020	AP30B#6.1A	Pending							
RUS		YAMAL-FSS-55E	55.00	17/08/2015	111559020	AP30B#6.17	List							
RUS		YAMAL-PK2	55.00	18/08/2008	108559006	AP30B#6.1A	List							
RUS		YAMAL-PK2	55.00	06/10/2011	108559006	AP30B#6.17	List							
BUL		BALKANSAT AP30B	56.02	02/06/2014	114559031	AP30B#6.1C	Pending							
BUL		BALKANSAT AP30B	56.02	08/06/2015	114559031	AP30B#6.17	List							
HOL		NSS-FSS 57E	57.00	21/12/2007	107559030	AP30B#6.1A	Pending							
HOL		NSS-FSS 57E	57.00	18/12/2015	107559030	AP30B#6.17	List							
HOL		NSS-FSS-G2 57E	57.00	15/02/2013	113559005	AP30B#6.1A	Pending							
ETH		ETHIOSAT-1	58.30	28/03/2016	116559011	AP30B#6.1A	Pending							
KAZ		KAZ00000	58.50	07/07/2004	104558002	AP30B#7.2	Plan							
KAZ		KAZSAT-30B-58.5E	58.50	27/12/2010	110559035	AP30B#6.1A	Pending							
KAZ		KAZSAT-30B-58.5E	58.50	27/11/2014	110559035	AP30B#6.17	List							
KAZ		KAZSAT-30B-58.5E-2	58.50	26/01/2015	115559003	AP30B#6.1A	Pending							
CHN		COMPASS-30B-58.75E	58.75	05/08/2014	114559041	AP30B#6.1A	Pending							
CYP		CYP-30B-59.7E	59.70	17/03/2009	109559005	AP30B#6.1A	Pending							
CYP		CYP-30B-59.7E	59.70	13/03/2017	109559005	AP30B#6.25	Pending							
CYP		CYP-30B-59.7E-2	59.70	23/03/2010	110559005	AP30B#6.1A	Pending							
CYP		CYP-30B-59.7E-2	59.70	20/03/2018	110559005	AP30B#6.25	Pending							
CYP		CYP-30B-59.7E-3	59.70	15/12/2014	114559063	AP30B#6.1A	Pending							
PNG		NEW DAWN FSS-2	60.00	06/06/2012	112559020	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS2-60E	60.00	02/11/2015	115559054	AP30B#6.1A	Pending							
PNG		NEW DAWN FSS-3	62.00	08/11/2012	112559040	AP30B#6.1A	Pending							
PNG		NEW DAWN FSS-3	62.00	18/05/2015	115559028	AP30B#6.1A	Pending							
RUS	IK	IK-62.5E-F	62.50	13/09/2016	116559028	AP30B#6.1A	Pending							
IND		INSAT-KUP-FSS(63E)	63.00	15/02/2016	116559005	AP30B#6.1A	Pending							
IND		INSAT-PKU63E	63.00	01/07/2014	114559036	AP30B#6.1A	Pending							
UAE		YAHSAT-FSS-63E	63.00	02/11/2015	115559052	AP30B#6.1A	Pending							
PNG		NEW DAWN FSS-4	64.00	08/11/2012	112559041	AP30B#6.1A	Pending							
BLR		BLR00000	64.40	30/05/2006	106558001	AP30B#7.2	Plan							
BLR		BLR-SAT-FSS-64.4E	64.40	12/12/2011	111559043	AP30B#6.1A	Pending							

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								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25	
BLR		BLR-SAT-FSS-64.4E	64.40	03/05/2013	113559019	AP30B#6.1A	Pending							
QAT		QATARSAT-30B-64.5E	64.50	12/08/2017	117559041	AP30B#6.1A	Pending	█	█	█	█	█	█	█
KGZ		KGZ00000	64.60	05/11/1997	97558001	Art 7	Plan	█	█					
ISR		AMS-30B-65E	65.00	21/04/2009	109559008	AP30B#6.1A	Pending							
ISR		AMS-30B-65E	65.00	04/08/2016	109559008	AP30B#6.25	List							
ISR		AMS-30B-C-65E	65.00	12/08/2010	110559021	AP30B#6.1A	Pending	█	█					
IRQ		IRAQSAT1-30B	65.45	01/10/2013	113559049	AP30B#6.1A	Pending	█	█	█	█	█	█	█
ISR		AMS-30B-67.25E	67.25	10/06/2015	115559030	AP30B#6.1A	Pending							
RUS	IK	INTERSPUTNIK-67.3E-F	67.30	21/09/2010	110559026	AP30B#6.1A	Pending	█	█	█	█	█	█	█
QAT		QATARSAT-30B-67.5E	67.50	12/08/2017	117559042	AP30B#6.1A	Pending							
RUS	IK	IK-67.8E-F	67.80	13/09/2016	116559029	AP30B#6.1A	Pending	█	█	█	█	█	█	█
RUS	IK	INTERSPUTNIK-67.8E-F	67.80	21/09/2010	110559027	AP30B#6.1A	Pending	█	█	█	█	█	█	█
IND		INSAT-KUP-FSS(68E)	68.00	30/03/2015	115559010	AP30B#6.1A	Pending							
D		ODYSSEY FSS-68.5E	68.50	19/05/2014	114559027	AP30B#6.1A	Pending	█	█	█	█	█	█	█
USA		USASAT-101D	68.50	11/01/2016	116559002	AP30B#6.1A	Pending	█	█	█	█	█	█	█
BGD		BANGSAT-30B-69E	69.00	29/12/2011	111559046	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-70.5E	70.50	15/12/2000	100559012	Art 6 Sect II	List							
F	EUT	EUTELSAT EXB-70.5E	70.50	29/06/2001	101559022	Art 6 Sect II	List							
F	EUT	EUTELSAT EXB-70.5E	70.50	17/03/2006	106559004	AP30B#6.1A	Pending							
F	EUT	EUTELSAT EXB-70.5E	70.50	06/03/2014	106559004	AP30B#6.17	List							
F		F-SAT-30B-70.5E	70.50	18/11/2016	116559042	AP30B#6.1A	Pending	█	█	█	█	█	█	█
F		F-SAT-E-30B-70.5E	70.50	25/05/2010	110559013	AP30B#6.1A	Pending	█	█	█	█	█	█	█
F		F-SAT-E-30B-70.5E	70.50	14/05/2018	110559013	AP30B#6.25	Pending							
IND		INSAT-KUP-FSS(71E)	71.00	30/03/2015	115559011	AP30B#6.1A	Pending							
ARM		ARM00000	71.40	08/01/1999	99558001	Art 7	Plan	█	█	█	█	█	█	█
ARM		ARMSAT-30B-71.4E	71.40	18/10/2012	112559037	AP30B#6.1A	Pending							
QAT		QATARSAT-30B-73.5E	73.50	22/07/2015	115559035	AP30B#6.1A	Pending							
IND		INSAT-2C	74.00	31/01/1989	89559003	Art 6 Sect IB	List	█	█	█	█	█	█	█
IND		INSAT-KUP-FSS(74E)	74.00	30/03/2015	115559012	AP30B#6.1A	Pending							
PNG		PACIFISAT-1-PKU	75.00	20/06/2011	111559017	AP30B#6.1A	Pending							
PNG		PACIFISAT-PFSS-75E	75.00	20/02/2014	114559016	AP30B#6.1A	Pending	█	█	█	█	█	█	█
RUS		GT-SAT-30B-76.5E	76.50	17/06/2014	114559033	AP30B#6.1A	Pending	█	█	█	█	█	█	█
RUS		CSSRD-2	77.00	14/07/1994	94559011	Art 6 Sect IB	List							
IND		INSAT-KUP-FSS(77.1E)	77.10	30/03/2015	115559013	AP30B#6.1A	Pending							
E		HISPASAT-72A	78.00	14/12/2017	117559061	AP30B#6.1A	Pending	█	█	█	█	█	█	█
RUS	IK	IK-78E-F	78.00	03/09/2015	115559045	AP30B#6.1A	Pending	█	█	█	█	█	█	█
RUS	IK	INTERSPUTNIK-78E-F	78.00	26/05/2010	110559016	AP30B#6.1A	Pending	█	█	█	█	█	█	█
CHN		COMPASS-30B-80E	80.00	05/08/2014	114559042	AP30B#6.1A	Pending							
RUS		EXPRESS-6P	80.00	20/08/2014	114559048	AP30B#6.1A	Pending							
RUS		FOTON-2	80.00	15/06/1992	92559005	Art 6 Sect IB	List	█	█	█	█	█	█	█
F		F-SAT-30B-80.5E	80.50	04/11/2016	116559040	AP30B#6.1A	Pending	█	█	█	█	█	█	█
RUS		YAMAL-FSS-81.75E	81.75	15/05/2014	114559026	AP30B#6.1A	Pending							
IND		INSAT-EXC(82E)	82.00	06/05/2013	113559020	AP30B#6.1A	Pending	█	█	█	█	█	█	█
J		NFP-SAT-82E	82.00	07/01/2014	114559002	AP30B#6.1A	Pending	█	█	█	█	█	█	█

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								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25
ISR		AMS-30B-82.5E	82.50	20/12/2011	111559045	AP30B#6.1A	Pending						
IND		INSAT-EXK82.5E	82.50	30/03/2009	109559006	AP30B#6.1A	Pending						
IND		INSAT-KUP-FSS(82.5E)	82.50	30/03/2015	115559014	AP30B#6.1A	Pending						
IND		INSAT-2A	83.00	31/01/1989	89559001	Art 6 Sect IB	List						
IND		INSAT-EXC(83E)	83.00	06/05/2013	113559021	AP30B#6.1A	Pending						
F		F-SAT-30B-83.5E	83.50	17/05/2017	117559022	AP30B#6.1A	Pending						
F		F-SAT-E-30B-83.5E	83.50	10/05/2010	110559010	AP30B#6.1A	Pending						
MLA		MEASAT-83.7E-FSS	83.70	12/03/2013	113559008	AP30B#6.1A	Pending						
CHN		COMPASS-30B-84E	84.00	05/08/2014	114559043	AP30B#6.1A	Pending						
PNG		PACIFISAT-FSS-85.3E	85.30	12/04/2016	116559012	AP30B#6.1A	Pending						
RUS		STATSIONAR-D5	85.40	13/07/2001	101559039	Art 6 Sect IB	List						
IND		INSAT-KUP-FSS(85.5E)	85.50	30/03/2015	115559015	AP30B#6.1A	Pending						
S		OHO-30B-86E	86.00	31/01/2013	113559002	AP30B#6.1A	Pending						
RUS		GT-SAT-30B-86.5E	86.50	08/12/2016	116559045	AP30B#6.1A	Pending						
KAZ		KAZSAT-30B-86.5E	86.50	04/05/2016	116559014	AP30B#6.1A	Pending						
F		F-SAT-30B-87E	87.00	01/06/2017	117559031	AP30B#6.1A	Pending						
QAT		QATARSAT-30B-87E	87.00	02/03/2015	115559007	AP30B#6.1A	Pending						
CHN		CHINASAT-30B-87.5E	87.50	19/01/2012	112559003	AP30B#6.1A	Pending						
RUS		RUS0A	87.70	14/07/1994	90558227	Art 6	Plan						
RUS		RUS0B	87.70	14/07/1994	90558627	Art 6	Plan						
RUS		RUS00002	88.10	29/05/2012	113558001	AP30B#6.33C	Plan						
RUS		ZERKALO	88.10	22/12/2005	105559054	AP30B#6.1C	Pending						
F		F-SAT-30B-88.5E	88.50	25/10/2016	116559038	AP30B#6.1A	Pending						
RUS		YAMAL-FSS-90E	90.00	21/06/2011	111559021	AP30B#6.1A	Pending						
RUS		YAMAL-FSS-90E	90.00	27/01/2015	111559021	AP30B#6.17	List						
RUS		YAMAL-PK4	90.00	18/08/2008	108559008	AP30B#6.1A	Pending						
RUS		YAMAL-PK4	90.00	06/10/2011	108559008	AP30B#6.17	List						
MLA		MEASAT-91.5E-30B	91.50	08/03/2011	111559010	AP30B#6.1A	Pending						
MLA		MEASAT-91.5E-30B	91.50	08/01/2015	111559010	AP30B#6.17	List						
MLA		MEASAT-91.5E-30B-A	91.50	22/06/2015	115559033	AP30B#6.1A	Pending						
MLA		MEASAT-91.5E-30B-B	91.50	22/06/2015	115559034	AP30B#6.1A	Pending						
RUS		GT-SAT-30B-93E	93.00	17/06/2014	114559034	AP30B#6.1A	Pending						
IND		INSAT-2B	93.50	31/01/1989	89559002	Art 6 Sect IB	List						
IND		INSAT-EXC(93.5E)	93.50	07/06/2017	117559033	AP30B#6.1A	Pending						
IND		INSAT-KUP-FSS(93.5E)	93.50	30/03/2015	115559016	AP30B#6.1A	Pending						
RUS		CSDRN	95.00	08/03/1994	94559002	Art 6 Sect IB	List						
RUS		CSDRN-M	95.00	23/12/2005	105559068	AP30B#6.1A	List						
RUS		CSDRN-M	95.00	22/11/2013	105559068	AP30B#6.17	List						
HOL		NSS-FSS-G2 95E	95.00	29/09/2011	111559033	AP30B#6.1A	Pending						
HOL		NSS-FSS-G3 95E	95.00	05/10/2017	117559050	AP30B#6.1A	Pending						
AZE		AZE00000	96.00	04/05/2005	105558001	AP30B#7.2	Plan						
RUS		EXPRESS-8P	96.50	30/03/2015	115559019	AP30B#6.1A	Pending						
IND		INSAT-KUP-FSS(97.3E)	97.30	30/03/2015	115559017	AP30B#6.1A	Pending						
RUS	IK	INTERSPUTNIK-98E-F	98.00	29/06/2012	112559024	AP30B#6.1A	Pending						

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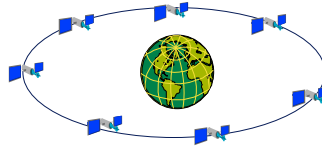
Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Provision	Status	Band (GHz)					
								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25
QAT		QATARSAT-30B-99E	99.00	22/07/2015	115559036	AP30B#6.1A	Pending						
CHN		ASIASAT-30B-E3	100.50	14/03/2014	114559019	AP30B#6.1A	Pending						
CHN		CHNSAT-30B-101.4E	101.40	14/11/2016	116559041	AP30B#6.1A	Pending						
RUS		EXPRESS-9P	103.00	10/05/2018	118559015	AP30B#6.1A	Pending						
RUS	IK	IK-103E-F	103.00	15/09/2018	117559046	AP30B#6.1A	Pending						
RUS	IK	INTERSPUTNIK-103E-F	103.00	29/06/2012	112559025	AP30B#6.1A	Pending						
INS		NUSANTARA-K1A-30B	103.00	03/10/2017	117559048	AP30B#6.1A	Pending						
F		CD-SAT 105.2E REV	105.20	31/05/2013	113559025	AP30B#6.1A	Pending						
F		CD-SAT FSS 105.2E	105.20	15/04/2013	113559015	AP30B#6.1A	Pending						
F		CD-SAT-FSS-105.2E-G2	105.20	18/12/2017	117559062	AP30B#6.1A	Pending						
CHN		ASIASAT-30B-C3	105.50	14/03/2014	114559018	AP30B#6.1A	Pending						
VTN		VTN00000	107.00	03/10/2003	108558003	Art 6	Plan						
HOL		NSS-FSS-G2-108.2E	108.20	23/07/2013	113559037	AP30B#6.1A	Pending						
G		GIBSAT-FSS 108.4E	108.40	11/12/2014	114559062	AP30B#6.1A	Pending						
F		F-SAT-E-30B-110E	110.00	28/06/2013	113559033	AP30B#6.1A	Pending						
CHN		CHINASAT-30B-110.5E	110.50	19/01/2012	112559004	AP30B#6.1A	Pending						
CHN		COMPASS-30B-110.5E	110.50	05/08/2014	114559044	AP30B#6.1A	Pending						
UZB		UZB00000	110.50	24/06/2004	104558001	AP30B#7.2	Plan						
IND		INSAT-KUP-FSS(111.5)	111.50	30/03/2015	115559018	AP30B#6.1A	Pending						
ISR		AMS-30B-113E	113.00	30/10/2015	115559049	AP30B#6.1A	Pending						
MNG		SANSAR-1	113.60	17/09/2013	113559046	AP30B#6.1C	Pending						
CHN		CHINASAT-30B-115.5E	115.50	19/01/2012	112559005	AP30B#6.1A	Pending						
INS		NUSANTARA-H1-30B	116.10	01/10/2015	115559047	AP30B#6.1A	Pending						
PNG		PACIFISAT-30B-116.1E	116.10	22/04/2015	115559022	AP30B#6.1A	Pending						
PNG		PACIFISAT-FSS-116.1E	116.10	08/10/2014	114559053	AP30B#6.1A	Pending						
F		F-SAT-30B-117.4E	117.40	24/01/2018	118559002	AP30B#6.1A	Pending						
INS		NUSANTARA-B2G-30B	118.00	22/05/2017	117559023	AP30B#6.1A	Pending						
BGD		BDSAT-119E-FSS	119.10	17/08/2017	117559043	AP30B#6.1A	Pending						
RUS	IK	INTERSPUTNIK-119E-F	119.10	10/09/2010	110559025	AP30B#6.1A	Pending						
RUS	IK	INTERSPUTNIK-119E-F	119.10	25/10/2016	110559025	AP30B#6.17	Pending						
CHN		ASIASAT-30B-120	120.00	12/01/2012	112559001	AP30B#6.1A	Pending						
CHN		ASIASAT-30B-122	122.00	12/01/2012	112559002	AP30B#6.1A	Pending						
S		SMMSAT-FSS-1	123.00	25/01/2016	116559004	AP30B#6.1A	Pending						
F		F-SAT-30B-123.5E	123.50	15/06/2017	117559035	AP30B#6.1A	Pending						
CHN		CHINASAT-30B-125E	125.00	19/01/2012	112559006	AP30B#6.1A	Pending						
CHN		CHINASAT-FSS3	125.00	15/11/2005	105559021	AP30B#6.1A	Pending						
CHN		CHINASAT-FSS3	125.00	14/05/2010	105559021	AP30B#6.25	Pending						
CHN		CHINASAT-30B-126E	126.00	12/10/2012	112559034	AP30B#6.1A	Pending						
LAO		LSTAR-126E-30B	126.00	22/08/2013	113559044	AP30B#6.1A	Pending						
F		F-SAT-30B-127E	127.00	29/05/2017	117559029	AP30B#6.1A	Pending						
RUS	IK	IK-127.5E-F	127.50	14/09/2017	117559045	AP30B#6.1A	Pending						
J		NFP-SAT-128E	128.00	07/01/2014	114559003	AP30B#6.1A	Pending						
RUS		STATIONAR-D6	128.00	13/07/2001	101559040	Art 6 Sect IB	List						
LAO		LAOSAT-FSS-128.5E	128.50	08/04/2013	113559013	AP30B#6.1A	Pending						

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Provision	Status	Band (GHz)					
								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25
IND		INSAT-EXC (129.5E)	129.50	18/02/2016	116559007	AP30B#6.1A	Pending						
VTN		VINASAT-30B-132E	131.80	12/09/2013	113559045	AP30B#6.1A	Pending						
VTN		VINASAT-FSS-131E-III	131.80	08/06/2004	104559003	Art 6 Sect III	List						
BGD		BANGSAT-30B-133E-A	133.00	26/07/2012	112559030	AP30B#6.1C	Pending						
BGD		BANGSAT-30B-133E-B	133.00	29/07/2012	112559031	AP30B#6.1A	Pending						
CHN		APSTAR-134E-AP30B	134.00	29/04/2016	116559013	AP30B#6.1A	Pending						
QAT		QATARSAT-30B-135.5E	135.50	27/03/2013	113559012	AP30B#6.1A	Pending						
F		F-SAT-30B-136.5E	136.50	27/03/2017	117559017	AP30B#6.1A	Pending						
ISR		AMS-30B-137E	137.00	13/12/2012	112559051	AP30B#6.1A	Pending						
ISR		AMS-30B-B2-137E	137.00	06/02/2017	117559008	AP30B#6.1A	Pending						
CHN		COMPASS-30B-140E	140.00	05/08/2014	114559045	AP30B#6.1A	Pending						
RUS		EXPRESS-10P	140.00	19/02/2009	109559001	AP30B#6.1A	Pending						
RUS		EXPRESS-10P	140.00	21/07/2011	109559001	AP30B#6.25	List						
INS		NUSANTARA-B6A-30B	140.00	22/05/2017	117559024	AP30B#6.1A	Pending						
UAE		YAHSAT-FSS-142E	142.00	18/09/2016	116559032	AP30B#6.1A	Pending						
F		F-SAT-E-30B-143E	143.00	27/10/2014	114559055	AP30B#6.1A	Pending						
CHN		COMPASS-30B-144.5E	144.50	05/06/2014	114559046	AP30B#6.1A	Pending						
RUS		EXPRESS-P 146.5	146.50	15/08/2011	111559025	AP30B#6.1A	Pending						
RUS		EXPRESS-P KU 146.5	146.50	04/04/2012	112559013	AP30B#6.1A	Pending						
HOL		NSS-FSS 148E	148.00	20/01/2014	114559004	AP30B#6.1A	Pending						
J		NFP-SAT-Y16-150E	150.00	10/08/2016	116559027	AP30B#6.1A	Pending						
INS		NUSANTARA-B7A-30B	150.50	22/05/2017	117559025	AP30B#6.1A	Pending						
F		LH-SAT FSS 151.5E	151.50	26/05/2014	114559030	AP30B#6.1A	Pending						
F		LH-SAT-FSS-151.5E-G2	151.50	10/03/2017	117559015	AP30B#6.1A	Pending						
F		F-SAT-30B-152E	152.00	29/05/2017	117559028	AP30B#6.1A	Pending						
F		F-SAT-30B-155.9E	155.90	14/05/2018	118559016	AP30B#6.1A	Pending						
RUS	IK	IK-156E-F	156.00	13/05/2016	116559016	AP30B#6.1A	Pending						
PNG		NEW DAWN FSS-6	157.00	17/06/2013	113559026	AP30B#6.1A	Pending						
PNG		NEW DAWN FSS-6	157.00	28/01/2014	114559008	AP30B#6.1A	Pending						
RUS	IK	INTERSPUTNIK-159E-F	159.00	06/03/2013	113559006	AP30B#6.1A	Pending						
PNG		PACIFISAT-PFSS-159E	159.00	26/09/2013	113559048	AP30B#6.1A	Pending						
F		F-SAT-30B-159.5E	159.50	06/06/2018	118559017	AP30B#6.1A	Pending						
CHN		COMPASS-30B-160E	160.00	05/08/2014	114559047	AP30B#6.1A	Pending						
UAE		YAHSAT-FSS-160E	160.00	18/09/2016	116559033	AP30B#6.1A	Pending						
PHL		PHL00000	161.00	11/11/1996	90558162	Art 6	Plan						
F		F-SAT-30B-164.1E	164.10	08/06/2018	118559019	AP30B#6.1A	Pending						
PNG		NEW DAWN FSS-5	166.00	20/06/2013	113559029	AP30B#6.1A	Pending						
PNG		NEW DAWN FSS-5	166.00	28/01/2014	114559007	AP30B#6.1A	Pending						
D		ODYSSEY FSS-166E	166.00	15/07/2014	114559038	AP30B#6.1A	Pending						
RUS		VSSRD-2	167.00	14/07/1994	94559012	Art 6 Sect IB	List						
RUS		VSSRD-2M	167.00	23/12/2005	105559069	AP30B#6.1A	List						
RUS		VSSRD-2M	167.00	22/11/2013	105559069	AP30B#6.17	List						
F		F-SAT-30B-169E	169.00	18/06/2018	118559020	AP30B#6.1A	Pending						
PNG		NEW DAWN FSS-7	169.00	28/01/2014	114559009	AP30B#6.1A	Pending						

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Provision	Status	Band (GHz)					
								4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.00	13.00-13.25
PNG		NEW DAWN FSS-7	169.00	02/07/2014	114559037	AP30B#6.1A	Pending						
USA		USASAT-101C	169.00	07/12/2015	115559057	AP30B#6.1A	Pending						
F		F-SAT-30B-172E	172.00	02/03/2017	117559012	AP30B#6.1A	Pending						
F		F-SAT-E-30B-172E	172.00	19/12/2012	112559053	AP30B#6.1A	Pending						
F		F-SAT-30B-174E	174.00	07/12/2017	117559055	AP30B#6.1A	Pending						
E		HISPASAT-71A	174.00	14/12/2017	117559060	AP30B#6.1A	Pending						
HOL		NSS-FSS 176E	176.00	22/12/2016	116559053	AP30B#6.1A	Pending						
PNG		PACIFISAT-FSS-176.1E	176.10	18/02/2014	114559015	AP30B#6.1A	Pending						
S		OHO-30B-177E	177.00	14/03/2012	112559009	AP30B#6.1A	Pending						



SECTION A14

LISTE DES RÉSEAUX À SATELLITE
GÉOSTATIONNAIRES DU SERVICE FIXE PAR
SATELLITE (SFS) ET DE SES LIAISONS DE
CONNEXION ASSOCIÉES NOTIFIÉS ET PUBLIÉS
EN APPLICATION DES DISPOSITIONS DE
L'ARTICLE 8 DE L'APPENDICE 30B DU
RÈGLEMENT DES RADIOCOMMUNICATIONS

A14 节

根据《无线电规则》附录 30B 第 8 条的规定进行了通知和公布的卫星固定业务（FSS）的对地静止卫星网络及其相关联馈线链路。

SECTION A14

LIST OF GEOSTATIONARY-SATELLITE NETWORKS
IN THE FIXED-SATELLITE SERVICE (FSS) AND ITS
ASSOCIATED FEEDER LINKS NOTIFIED AND
PUBLISHED IN APPLICATION OF THE PROVISIONS
OF ARTICLE 8 OF APPENDIX 30B OF
THE RADIO REGULATIONS

РАЗДЕЛ A14

СПИСОК ГЕОСТАЦИОНАРНЫХ СПУТНИКОВЫХ
СЕТЕЙ ФИКСИРОВАННОЙ СПУТНИКОВОЙ
СЛУЖБЫ (ФСС) И СООТВЕТСТВУЮЩИХ
ФИДЕРНЫХ ЛИНИЙ, ЗАЯВЛЕННЫХ И
ОПУБЛИКОВАННЫХ В ПРИМЕНЕНИЕ
ПОЛОЖЕНИЙ СТАТЬИ 8 ПРИЛОЖЕНИЯ 30В К
РЕГЛАМЕНТУ РАДИОСВЯЗИ

SECCIÓN A14

LISTA DE REDES DE SATÉLITES
GEOESTACIONARIOS DEL SERVICIO FIJO POR
SATÉLITE (SFS) Y SUS ENLACES DE CONEXIÓN
ASOCIADOS NOTIFICADOS Y PUBLICADOS EN
APLICACIÓN DE LAS DISPOSICIONES DEL
ARTÍCULO 8 DEL APÉNDICE 30B DEL
REGLAMENTO DE RADIOCOMMUNICATIONS

القسم A14

قائمة الشبكات الساتلية المستقرة بالنسبة إلى الأرض في الخدمة الثابتة الساتلية (FSS) ووصلات التغذية المرتبطة بها والتي تم التبليغ عنها ونشرها تطبيقاً لأحكام المادة 8 من التذييل 30B من لوائح الراديو.

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)				
							4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.25
RUS		FOTON-3	-168.00	31/03/1995	94570365	I-S	█				
RUS		ESDRN	-160.00	08/03/1994	90570133	I-S			█	█	
MEX		MEXSAT 113 AP30B	-113.00	23/04/2014	114570004	II-S			█		█
CAN		CANSAT-24X-30B	-111.10	14/03/2013	113570003	II-S			█		
CAN		MSAT	-106.50	12/03/1996	96500372	II-S			█		
CAN		MSAT	-106.50	18/12/2003	103500447	II-S			█		
USA		MSV-1-30B-A	-101.30	28/03/2017	117570004	II-S			█		█
VEN		VENESAT-30B	-78.00	02/04/2012	112570001	II-S			█		
F	EUT	EUTELSAT EXB-64W	-61.00	24/02/2006	106500039	II-S			█		█
F	EUT	EUTELSAT EXB-64W_C	-61.00	24/02/2006	106500023	II-S	█	█			
USA		USASAT 26G	-58.00	01/03/2004 23/05/2006	104500214	II-S			█	█	█
USA		USASAT-55E	-43.00	16/05/2013	110570001	I-S			█	█	█
HOL		NSS-FSS 40.5W	-40.50	30/05/2016	116570003	I-S	█	█			
E		HISPASAT-1C	-30.00	04/10/2001	101500577	II-S			█		█
E		HISPASAT-1E	-30.00	30/10/2013	113570009	II-S			█		
RUS	IK	INTERSPUTNIK-16W-F	-16.00	14/07/2017	117570007	II-S			█		
RUS		WSDRN	-16.00	06/03/1984 08/03/1994	90570134	I-S			█		
RUS		WSDRN-M	-16.00	28/11/2013	113570012	II-S			█		
RUS		ZSSRD-2	-16.00	04/06/2004	104500579	II-S			█		
RUS		FOTON-1	-13.50	04/10/1994	94570364	I-S	█				
F	EUT	EUTELSAT EXB-12.5W	-12.50	26/05/2011	111570002	I-S			█		█
F		TELECOM-30B	-8.00	27/12/2001	101500604	II-S			█		█
F		F-SAT-E-30B-7W	-7.00	31/10/2013	113570006	II-S			█		
F		GEOSAT-30B	-7.00	24/02/2006 24/05/2006	106500356	II-S			█		█
ISR		AMOS-II 4W	-4.00	25/09/2001	101500600	II-S			█		█
ISR		AMS-30B-4W	-4.00	01/06/2017	117570005	II-S			█		█
HNG		CERES-1	-4.00	06/10/2000	100500446	II-S			█		█
HNG		CERES-1	-4.00	08/12/2010	110570004	I-S			█		
PNG		AFRISAT 3W-PKU	-3.00	02/12/2016	116570008	II-S			█		
NOR		BIFROST 2 FSS	-0.80	18/02/2000	100500079	II-S			█		█
NOR		BIFROST-3-FSS	-0.80	03/07/2006	106500355	II-S			█		█
CTI	RAS	RASCOM-1F	2.90	11/10/2007	102500521	I-S	█	█			
CTI	RAS	RASCOM-2F	2.90	30/10/2006	106500378	II-S	█	█			
S		SIRIUS-30B	5.00	15/12/2000	100500401	II-S			█		
S		SIRIUS-30B-5E	5.00	18/12/2006 04/09/2007	106500573	II-S	█	█	█		█
S		SIRIUS-30B-5E-3	5.00	12/12/2013	113570013	II-S			█		█
S		SIRIUS-30B-5E-4	5.00	26/10/2015	115570008	II-S			█		█
F	EUT	EUTELSAT EXB-7E	7.00	03/10/2014	114570007	II-S			█		
F	EUT	EUTELSAT EXB-7E	7.00	18/09/2002 04/01/2006	102500497	II-S			█		█

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)					
							4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.25	
F		F-SAT-30B	9.00	30/06/2011	107500248	I-S						
F	EUT	EUTELSAT EXB-10E	10.00	24/02/2006	106500043	I-S						
F	EUT	EUTELSAT EXB-13E	13.00	03/03/2014	114570002	II-S						
F	EUT	EUTELSAT EXB-13E	13.00	14/04/2000	100500129	II-S						
F	EUT	EUTELSAT EXB-37.2W	13.00	16/08/2004	104500591	II-S						
F	EUT	EUTELSAT EXB-16E	16.00	22/01/2004	104500578	II-S						
LUX		GDL-6	19.20	15/01/1996	101500598	II-S						
LUX		GDL-6	19.20	21/07/1986 24/08/1987 27/11/1987 11/08/1992 26/11/1993	90570682	I-S						
LUX		LUX-30B-5	19.20	24/03/2007 11/10/2007	107500174	II-S						
LUX		LUX-30B-G4-19.2E	19.20	11/11/2015	115570009	II-S						
F		F-SAT-E-30B-21.5E	21.50	01/03/2013	113570002	II-S						
LUX		LUX-30B-6	23.50	24/03/2007 11/10/2007	107500175	II-S						
LUX		LUX-30B-G4-23.5E	23.50	25/06/2015	115570005	II-S						
ARS	ARB	ARABSAT-AXB26E_C	26.00	19/10/2011	111570004	II-S						
QAT	ARB	ESHAILSAT-26E-2	26.00	19/10/2011	111570005	I-S						
LUX		LUX-30B-7	28.20	24/03/2007 11/10/2007	107500176	II-S						
LUX		LUX-30B-G4-28.2E	28.20	16/11/2015	115570010	II-S						
F	EUT	EUTELSAT EXB-28.5E	28.50	22/01/2004	104500577	II-S						
ARS	ARB	ARABSAT-AXB30E	30.90	03/02/2013	111570001	I-S						
F	EUT	EUTELSAT EXB-33E	33.00	24/02/2006	106500041	I-S						
RUS		STATSIONAR-D3	35.00	13/07/2001	101500593	II-S						
F	EUT	EUTELSAT EXB-36E	36.00	01/02/2013	113570001	II-S						
GRC		HELLAS-SAT-3G	39.00	01/06/2016	116570005	II-S						
CYP		KYPROS-SAT-3	39.00	22/09/2017	117570008	II-S						
RUS		EXPRESS-4P	40.00	13/08/2015	115570006	II-S						
TUR		TURKSAT-42E-FSS	42.00	18/12/2015	115570013	II-S						
ARS	ARB	ARABSAT-AXB44.5E	44.50	26/02/2015	115570003	II-S						
RUS		STATSIONAR-D4	45.00	13/07/2001	101500594	I-S						
F	EUT	EUTELSAT EXB-48E	48.00	17/03/2005	105500441	I-S						
BLR		BLR-FSS-51.5E	51.50	08/02/2018	118570001	II-S						
MCO		MCO-FSS-52E	52.00	05/06/2013	113570007	II-S						
RUS		EXPRESS-5P	53.00	16/09/2014	114570006	II-S						
RUS		YAMAL-FSS-55E	55.00	17/08/2015	115570007	II-S						
RUS		YAMAL-PK2	55.00	01/04/2013	113570004	II-S						
HOL		NSS-FSS 57E	57.00	18/12/2015	115570012	II-S						
KAZ		KAZSAT-30B-58.5E	58.50	18/03/2016	116570001	II-S						
CYP		CYP-30B-59.7E	59.70	13/03/2017	117570002	II-S						
CYP		CYP-30B-59.7E-2	59.70	20/03/2018	118570002	II-S						

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Adm	Ntwk_org	Sat_name	Long_nom	D_rcv	Ntc_id	Part	Band (GHz)				
							4.5-4.8	6.725-7.025	10.70-10.95	11.20-11.45	12.75-13.25
ISR		AMS-30B-65E	65.00	04/08/2016	116570006	II-S			█	█	█
F	EUT	EUTELSAT EXB-70.5E	70.50	06/03/2014	114570003	II-S			█	█	█
F	EUT	EUTELSAT EXB-70.5E	70.50	13/06/2003 19/07/2005	103500446	I-S			█	█	█
IND		INSAT-2C	74.00	12/12/1991 26/06/2010	91500223	I-S	█	█			
RUS		CSSRD-2	77.00	13/11/1986	90570087	I-S			█	█	
RUS		FOTON-2	80.00	31/03/1995	92570170	I-S	█				
IND		INSAT-2A	83.00	12/12/1991 24/06/2010	91500221	I-S	█	█			
RUS		STATSIONAR-D5	85.40	13/07/2001	101500595	I-S	█				
RUS		YAMAL-FSS-90E	90.00	27/01/2015	115570002	II-S			█	█	█
RUS		YAMAL-PK4	90.00	01/04/2013	113570005	II-S			█	█	█
MLA		MEASAT-91.5E-30B	91.50	08/01/2015	115570001	I-S			█	█	█
IND		INSAT-2B	93.50	12/12/1991 24/06/2010	91500222	I-S	█	█			
RUS		CSDRN	95.00	06/03/1984 08/03/1994	90570132	I-S			█	█	
RUS		CSDRN-M	95.00	22/11/2013	113570010	II-S			█	█	
RUS	IK	INTERSPUTNIK-119E-F	119.10	25/10/2016	116570007	II-S	█	█	█	█	█
CHN		CHINASAT-FSS3	125.00	14/05/2010	110570003	I-S	█	█			
RUS		STATSIONAR-D6	128.00	13/07/2001	101500596	II-S	█				
VTN		VINASAT-FSS-131E-III	131.80	26/02/2010	108500949	I-S			█	█	█
RUS		EXPRESS-10P	140.00	04/07/2014	114570005	II-S			█	█	█
RUS		VSSRD-2	167.00	17/10/1986	90570088	I-S			█	█	
RUS		VSSRD-2M	167.00	22/11/2013	113570011	II-S			█	█	

Table 1: Frequency bands referenced in Sections A1 to A9
Tableau 1: Bandes de fréquences référenciées dans les Sections A1 à A9
Cuadro 1 : Bandas de frecuencias referenciadas en las Secciones A1 a A9

Band Bande Banda N°.	Band Bande Banda N°.	Frequency band Bande de fréquences Banda de frecuencias	
Sections Secciones	Sections Secciones		
A1 - A6	A7 – A9	MHz	
1	a		<137
2	b	137	137.025
3		137.025	137.175
4		137.175	137.825
5		137.825	138
6		138	148
7		148	149.900
8		149.900	150.050
9		150.050	312
10		312	315
11		315	387
12	387	390	

Band Bande Banda Nº.	Band Bande Banda Nº.	Frequency band Bande de fréquences Banda de frecuencias	
Sections Secciones	Sections Secciones		
A1 - A6	A7 – A9	MHz	
12	b		
13		390	399.900
14		399.900	400.050
15		400.050	400.150
16		400.150	401
17		401	454
18		454	456
19		459	460
20		460	620
21		620	790
22		790	1215
23		c	1215
24	1452		1492
25	1492		1559
26	1559		1610
27	1610		1660.500
28	1660.500		1675
29	1675		1700

Band Bande Banda Nº.	Band Bande Banda Nº.	Frequency band Bande de fréquences Banda de frecuencias	
Sections Secciones	Sections Secciones		
A1 - A6	A7 - A9	MHz	
29	c		
30		1700	1710
31	d	1710	1980
32		1980	2025
33		2025	2160
34		2160	2200
35		2200	2310
36		2310	2360
37		2483.5	2520
38		2520	2535
39		2535	2655
40		2655	2670
41		2670	2690

Band Bande Banda N°.	Band Bande Banda N°.	Frequency band Bande de fréquences Banda de frecuencias	
Sections Secciones	Sections Secciones		
A1 - A6	A7 - A9	MHz	
42	d	2690	3400
43	e	3400	4800
44		5000	5091
45		5091	5250
46		5250	5725
47		5725	6700
48		6700	7075
49	f	7075	7750
50		7900	8500
51	g	10600	10700
52		10700	11700
53		11700	12500
54		12500	12750

Band Bande Banda Nº.	Band Bande Banda Nº.	Frequency band Bande de fréquences Banda de frecuencias			
Sections Secciones	Sections Secciones				
A1 - A6	A7 – A9	MHz			
55	g	12750	13250		
56		13250	13750		
57		13750	14500		
58		14500	14800		
59		14800	15430		
60		15430	15630		
61		15630	15650		
62		15650	15700		
63		h	15700	17300	
64			i	17300	17700
65				17700	17800

Band Bande Banda Nº.	Band Bande Banda Nº.	Frequency band Bande de fréquences Banda de frecuencias	
Sections Secciones	Sections Secciones		
A1 - A6	A7 – A9	MHz	
65	i		
66		17800	18100
67		18100	18400
68		18400	18600
69		18600	18800
70		18800	19700
71		19700	20200
72		20200	21400
73		21400	22000
74		22000	27000
75		27000	27500
76		27500	28600

Band Bande Banda N°.	Band Bande Banda N°.	Frequency band Bande de fréquences Banda de frecuencias	
Sections Secciones	Sections Secciones		
A1 - A6	A7 – A9	MHz	
76	i		
77		28600	29500
78		29500	30000
79		30000	31000
80	j	31000	40500
81		40500	42500
82		42500	47200
83		47200	51400
84	k	51400	71000
85		71000	84000
86		84000	86000
87		86000	100000
88		100000	200000
89	l	≥ 200000	

→ : Sauf / Except /

NOTES:

Dans les Sections A1 à A6, chaque case du tableau qui correspond aux numéros de bandes de fréquences figurant dans le Tableau 1 (de 1 à 89) est subdivisée en trois parties qui se réfèrent chacune à ces numéros de bandes (par exemple: 1, 2, 3). Ces parties sont représentées par une zone ombrée pour la publication anticipée (A), par une zone ombrée avec un trait pour la coordination (C) et par une zone en caractères gras pour la notification (N).

Dans les Sections A7 à A9, la partie du tableau qui correspond aux numéros de bandes de fréquences figurant dans le Tableau 1 est ombrée lorsque la station spatiale utilise cette bande.

NOTES:

In Sections A1 to A6, each square in the table corresponding to the frequency band numbers appearing in Table 1 (from 1 to 89) is subdivided into three parts which refer to each of those band numbers (e.g. 1, 2, 3). These parts consist of a shaded area for advance publication (A), an area which is shaded with a horizontal line for coordination (C) and an area in bold face for notification (N).

In Sections A7 to A9, the part of the table corresponding to the frequency band numbers appearing in Table 1 is shaded when the space station is using this band.

NOTAS:

En las Secciones A1 a A6, cada casilla del cuadro que corresponde a los números de bandas de frecuencias que figuran en el Cuadro 1 (de 1 a 89), está subdividida en tres partes que hacen referencia a cada uno de estos números de banda (por ejemplo 1, 2, 3). Estas partes vienen representadas por una zona sombreada para la publicación anticipada (A), por una zona sombreada y tachada para la coordinación (C) y por una zona en negrilla para la notificación (N).

En las Secciones A7 a A9, la parte del cuadro que corresponde a los números de bandas de frecuencias que figuran en el Cuadro 1 aparece sombreada cuando la estación espacial utiliza esta banda.