



International Frequency Information Circular (Terrestrial Services)
Circular Internacional de Información sobre Frecuencias (Servicios Terrenales)
Circulaire Internationale d'Information sur les Fréquences (Services de Terre)

ITU - Radiocommunication Bureau
UIT - Oficina de Radiocomunicaciones
UIT - Bureau des Radiocommunications

Date/Fecha : 18.08.2020 Expiry date for comments / Fecha limite para comentarios / Date limite pour les commentaires : 26.11.2020

Column number	App.4	Description of columns	Description des colonnes	Descripción de columnas
1	--	BR identification number	Numéro d'identification du BR	Número de identificación de la BR
2	--	Unique identification code given by administration for the assignment (AdminRefId)	Identificateur unique donné par l'administration pour l'assignation (AdminRefId)	Código de identificación único atribuido por la administración a la asignación (AdminRefId)
3	B	Symbol of the notifying administration	Symbole l'administration notificatrice	Símbolo la administración notificante
4	1A	Assigned frequency [MHz]	Fréquence assignée [MHz]	Frecuencia asignada [MHz]
5	4A	Name of the location of the transmitting station	Nom de l'emplacement de la station d'émission	Nombre del emplazamiento de la estación transmisora
6	4C	Geographical coordinates	Coordonnées géographiques	Coordenadas geográficas
7	4B	ITU symbol for the geographical area	Symbole UIT de la zone géographique	Símbolo UIT de la zona geográfica
8	--	Purpose of the notification - ADD, MOD, SUPPRESS	Objet de la notification - ADD, MOD, SUPPRESS	Propósito de la notificación - ADD, MOD, SUPPRESS
9	9	Antenna Directivity	Directivité de l'antenne	Directividad de la antena
10	8B	Maximum effective radiated power [dBW]	Puissance apparente rayonnée maximale (dBW)	Máxima potencia radiada aparente (dBW)
11	6A	Class of station	Classe de station	Clase de estación
12	7D or 7C1/7C2	Transmission System or Television System/ Color system	Système de transmission ou Système Télévision / Système Couleur	Sistema de transmisión o Sistema de televisión / Sistema de color
13	1B	Vision carrier /Sound carrier frequency	Fréquence de porteuse image/ porteuse son	Frecuencia de portadora imagen/sonido
14	1E	Carrier frequency offset (vision/sound)	Décalage de fréquence porteuse (vision / son)	Desplazamiento de frecuencia portadora (visión / sonido)
15	9EB	Maximum effective antenna height [m]	Hauteur équivalente maximale [m]	Altura máxima efectiva [m]
16	Coord_Completed Affected	ITU symbol designating the administration with which coordination has been successfully completed, as indicated by the notifying administration responsible	Symbole UIT désignant l'administration avec laquelle la coordination a été effectuée avec succès, tel qu'indiqué par l'administration notificatrice	Símbolo de la UIT que designa la administración con la que la coordinación se ha completado con éxito, según lo indicado por la administración notificante
17	--	ITU symbols of administrations considered to be affected (and finding resulting from the technical examination) which have not yet coordinated (Part A only)	Symboles UIT des administrations considérées comme affectées (et conclusions définies par l'examen technique) qui n'ont pas encore été coordonnées (Partie A uniquement)	Símbolos de la UIT de administraciones consideradas afectadas (y hallazgos resultantes del examen técnico) que aún no se han coordinado (solo Parte A)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120191469	KAZBC10272	KAZ	88.2	UMBETALY KARIBAEVA ALM	43°15'12"N 76°21'51"E	KAZ	ADD	ND	20.72	BC	4			65		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120196777		UKR	88.2	SEMENIVKA	48°47'43"N 25°17'52"E	UKR	ADD	D	22.5	BC	4			11	HNG, MDA, POL, SVK	BLR(4.2.2.F) CZE(4.2.2.F) ROU(4.2.2.A, F) SRB(4.2.2.F)
120203645	RUS19090436BC	RUS	88.4	GELENDZHIC KRAS	44°34'45"N 38°6'25"E	RUS	ADD	D	18.3	BC	4			587	TUR, UKR	GEO(4.2.2.F)
120196778		UKR	88.4	PULYNY	50°28'7"N 28°16'23"E	UKR	ADD	D	27	BC	4			72	BLR, MDA, POL, ROU, SVK	HNG(4.2.2.F) LTU(4.2.2.F) RUS(4.2.2.F)
120191457	KAZBC10276	KAZ	88.6	SAMSY ALM	43°19'0"N 76°6'30"E	KAZ	ADD	ND	20.72	BC	4			88		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120197164	RUS19110547BC	RUS	88.6	BRYANSK	53°13'16"N 34°19'22"E	RUS	MODIFY	D	41	BC	4			193	BLR, UKR	
120204062	MDAAbc041914	MDA	88.9	UNGHENI 1	47°12'2"N 27°49'8"E	MDA	ADD	D	22	BC	4			83	ROU, UKR	BLR(4.2.2.F) BUL(4.2.2.F) HNG(4.2.2.F) POL(4.2.2.F) SRB(4.2.2.F) SVK(4.2.2.F)
120197279		MRC	89.8	EL KHIAR	33°26'46"N 6°38'33"W	MRC	ADD	ND	27	BC	4			348		ALG(4.2.2.F) E(4.2.2.F) G(4.2.2.F) POR(4.2.2.F)
120197165	RUS20050217BC	RUS	89.8	TVER	56°51'14"N 35°55'57"E	RUS	ADD	ND	35	BC	4			123	BLR	LVA(4.2.2.F)
120191418	KAZBC10302	KAZ	89.9	AKSENGIR ALM	43°29'18"N 76°17'4"E	KAZ	ADD	ND	20.72	BC	4			53		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191419	KAZBC10301	KAZ	90.9	AKSENGIR ALM	43°29'18"N 76°17'4"E	KAZ	ADD	ND	20.72	BC	4			53		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120197166	RUS19110552BC	RUS	91.5	STAROMINSKAYA KRAS	46°32'0"N 39°3'31"E	RUS	MODIFY	D	25.6	BC	4			118	UKR	GEO(4.2.2.F)
120203646	RUS20040130BC	RUS	91.8	DVULUCHNOE BELG	50°2'0"N 38°0'0"E	RUS	ADD	D	23	BC	4			69	UKR	BLR(4.2.2.F)
120191427	KAZBC10296	KAZ	92.1	ALMALY ALM	43°24'1"N 77°31'29"E	KAZ	ADD	ND	20.72	BC	4			219		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191470	KAZBC10271	KAZ	92.1	UMBETALY KARIBAEVA ALM	43°15'12"N 76°21'51"E	KAZ	ADD	ND	20.72	BC	4			65		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191458	KAZBC10275	KAZ	92.4	SAMSY ALM	43°19'0"N 76°6'30"E	KAZ	ADD	ND	20.72	BC	4			88		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191478	KAZBC10313	KAZ	92.5	ZHANASHAR ALM	43°25'49"N 77°15'37"E	KAZ	ADD	ND	26.47	BC	4			97		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120196779		UKR	92.6	DUBNO	50°24'26"N 25°51'2"E	UKR	ADD	ND	30	BC	4			237	BLR, HNG, LTU, MDA, POL, SVK	ROU(4.2.2.A, B, F) RUS(4.2.2.F)
120191476	KAZBC10286	KAZ	92.7	ZHANAKURYLYS ALM	43°14'55"N 76°19'9"E	KAZ	ADD	ND	20.72	BC	4			76		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120196780		UKR	92.7	KOVEL	51°12'0"N 24°39'53"E	UKR	MODIFY	D	32.5	BC	4			177	BLR, HNG, LTU, MDA, POL, RUS, SVK	CZE(4.2.2.F) ROU(4.2.2.B, F)
120191467	KAZBC10253	KAZ	92.9	TAUTURGEN ALM	43°21'4"N 77°37'3"E	KAZ	ADD	ND	20.7	BC	4			280		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120204063	28001025	MDA	92.9	REZINA	47°44'52"N 28°57'53"E	MDA	MODIFY	D	21	BC	4			154	ROU, UKR	BLR(4.2.2.F) BUL(4.2.2.F) HNG(4.2.2.F) POL(4.2.2.F) SVK(4.2.2.F)
120191465	KAZBC10274	KAZ	93.7	TALDYBULAK ALM	43°18'42"N 77°9'40"E	KAZ	ADD	ND	20.72	BC	4			242		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191477	KAZBC10285	KAZ	93.7	ZHANAKURYLYS ALM	43°14'55"N 76°19'9"E	KAZ	ADD	ND	20.72	BC	4			76		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191463	KAZBC10258	KAZ	94	SURANSKI BATYR ALM	43°6'21"N 76°0'50"E	KAZ	ADD	ND	20.72	BC	4			136		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120203932	RUS20070552BC	RUS	94	PRIMORSKO AKHTARSK KRAS	46°3'0"N 38°13'0"E	RUS	ADD	D	35	BC	4			150	UKR	BUL(4.2.2.B) GEO(4.2.2.A, F) MDA(4.2.2.B) ROU(4.2.2.B) TUR(4.2.2.A)
120191425	KAZBC10298	KAZ	94.1	ALMA-ARASAN ALM	43°5'14"N 76°54'36"E	KAZ	ADD	ND	26.73	BC	4			782		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120197167	RUS20030059BC	RUS	94.1	NOVOCHERKASSK ROST	47°25'0"N 40°3'58"E	RUS	MODIFY	ND	27.5	BC	4			147	UKR	GEO(4.2.2.F) KAZ(4.2.2.F)
120191449	KAZBC10260	KAZ	94.3	KYZYLSOK ALM	43°15'22"N 76°15'11"E	KAZ	ADD	ND	20.72	BC	4			78		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191428	KAZBC10295	KAZ	94.4	ALMALY ALM	43°24'1"N 77°31'29"E	KAZ	ADD	ND	20.72	BC	4			219		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191473	KAZBC10266	KAZ	94.6	YNTYMAK ALM	43°10'5"N 76°20'50"E	KAZ	ADD	ND	20.72	BC	4			125		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120196781		UKR	94.6	SHEVCHENKOVE	49°7'58"N 24°42'1"E	UKR	ADD	ND	25	BC	4			79	BLR, HNG, MDA, POL, SVK	CZE(4.2.2.F) ROU(4.2.2.A, B, F) SRB(4.2.2.F)
120191443	KAZBC10282	KAZ	94.8	KOKDALA ALM	43°33'18"N 76°17'20"E	KAZ	ADD	ND	20.72	BC	4			42		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191479	KAZBC10312	KAZ	94.8	ZHANASHAR ALM	43°25'49"N 77°15'37"E	KAZ	ADD	ND	26.47	BC	4			97		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120191464	KAZBC10257	KAZ	95	SURANSI BATYR ALM	43°6'21"N 76°0'50"E	KAZ	ADD	ND	20.72	BC	4			139		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191486	KAZBC10363	KAZ	95	RYSBEKA BATYRA ZHM	42°49'48"N 70°24'13"E	KAZ	ADD	ND	20.72	BC	4			59		AFG(4.2.2.F) CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.A, F)
120191468	KAZBC10254	KAZ	95.2	TAUTURGEN ALM	43°21'4"N 77°37'3"E	KAZ	ADD	ND	20.7	BC	4			280		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191450	KAZBC10259	KAZ	95.3	KYZYLSOK ALM	43°15'22"N 76°15'11"E	KAZ	ADD	ND	20.72	BC	4			78		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191453	KAZBC10278	KAZ	95.5	RYSKULOVO ALM	43°18'13"N 77°16'53"E	KAZ	ADD	ND	20.72	BC	4			353		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191474	KAZBC10265	KAZ	95.6	YNTYMAK ALM	43°10'5"N 76°20'50"E	KAZ	ADD	ND	20.72	BC	4			127		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191444	KAZBC10281	KAZ	95.9	KOKDALA ALM	43°33'18"N 76°17'20"E	KAZ	ADD	ND	20.72	BC	4			42		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191466	KAZBC10273	KAZ	96	TALDYBULAK ALM	43°18'42"N 77°9'40"E	KAZ	ADD	ND	20.72	BC	4			242		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120203647	RUS20040131BC	RUS	96.1	TISHANKA BELG	50°23'0"N 37°30'0"E	RUS	ADD	D	23	BC	4			80	UKR	BLR(4.2.2.F)
120196782		UKR	96.1	KAMIN KASHYRSKYI	51°36'5"N 24°58'41"E	UKR	MODIFY	ND	35.5	BC	4			80	BLR, HNG, LTU, MDA, POL, RUS, SVK	CZE(4.2.2.F) LVA(4.2.2.F) ROU(4.2.2.F)
120191471	KAZBC10270	KAZ	96.2	UNGURTAS ALM	43°16'29"N 76°1'55"E	KAZ	ADD	ND	20.72	BC	4			124		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191426	KAZBC10297	KAZ	96.4	ALMA-ARASAN ALM	43°5'14"N 76°54'36"E	KAZ	ADD	ND	26.73	BC	4			782		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191441	KAZBC10307	KAZ	96.5	KASTEK ALM	43°4'27"N 75°59'7"E	KAZ	ADD	ND	20.72	BC	4			211		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191454	KAZBC10277	KAZ	96.7	RYSKULOVO ALM	43°18'13"N 77°16'53"E	KAZ	ADD	ND	20.72	BC	4			353		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120196783		UKR	96.9	STRYMBA	48°35'46"N 24°35'6"E	UKR	ADD	ND	25	BC	4			161	BLR, HNG, MDA, POL, SVK	CZE(4.2.2.F) ROU(4.2.2.A, B, F) SRB(4.2.2.F)
120191472	KAZBC10269	KAZ	97.2	UNGURTAS ALM	43°16'29"N 76°1'55"E	KAZ	ADD	ND	20.72	BC	4			124		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120197168	RUS20030060BC	RUS	97.4	NOVOCHERKASSK ROST	47°25'0"N 40°3'58"E	RUS	MODIFY	ND	27.5	BC	4			147	UKR	GEO(4.2.2.F) KAZ(4.2.2.F)
120191442	KAZBC10306	KAZ	97.5	KASTEK ALM	43°4'27"N 75°59'7"E	KAZ	ADD	ND	20.72	BC	4			211		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120197169	RUS19120732BC	RUS	97.5	NOVOZYBKOV BRYAN	52°31'16"N 31°58'25"E	RUS	MODIFY	D	34.9	BC	4			146	BLR, UKR	LTU(4.2.2.F) LVA(4.2.2.F)
120204064	MDAbc040774	MDA	97.8	BALTI SP	47°46'31"N 27°53'8"E	MDA	ADD	D	20.5	BC	4			128	ROU, UKR	BLR(4.2.2.F) BUL(4.2.2.F) HNG(4.2.2.F) POL(4.2.2.F) SVK(4.2.2.F)
120197280		MRC	97.8	EL KHIAR	33°26'45"N 6°38'33"W	MRC	ADD	ND	27	BC	4			348		ALG(4.2.2.F) E(4.2.2.F) G(4.2.2.F) POR(4.2.2.F)
120203648	RUS20040151BC	RUS	97.9	OREL TELETSENTR	52°55'32"N 36°8'53"E	RUS	ADD	D	33	BC	4			194	BLR, UKR	
120196784		UKR	97.9	LYMANSKE	46°39'54"N 29°58'30"E	UKR	ADD	D	23.5	BC	4			45	MDA	BUL(4.2.2.F) ROU(4.2.2.A, B, F)
120196785		UKR	98.1	SARNY	51°20'24"N 26°37'24"E	UKR	MODIFY	ND	27	BC	4			53	BLR, LTU, POL	HNG(4.2.2.F) LVA(4.2.2.F) MDA(4.2.2.F) ROU(4.2.2.F) RUS(4.2.2.F) SVK(4.2.2.F)
120204065	MDAbc039665	MDA	98.8	CIMISLIA	46°31'0"N 28°47'0"E	MDA	ADD	D	34	BC	4			150	ROU, UKR	BUL(4.2.2.F) HNG(4.2.2.F)
120196492	RUS20060378BC	RUS	98.8	UCHKEKEN KAR CHER	43°57'59"N 42°32'7"E	RUS	MODIFY	ND	17.8	BC	1			214		ARM(4.2.2.F) AZE(4.2.2.F) GEO(4.2.2.F) IRN(4.2.2.F) TUR(4.2.2.F) UKR(4.2.2.F)
120196786		UKR	99	HARASYMIV	48°45'1"N 25°13'20"E	UKR	ADD	D	23	BC	4			145	HNG, MDA, POL, ROU, SVK	BLR(4.2.2.F) CZE(4.2.2.F) SRB(4.2.2.F)
120196787		UKR	99.7	LIUBOML	51°13'24"N 24°0'47"E	UKR	MODIFY	D	30	BC	4			62	BLR, HNG, LTU, MDA, POL, RUS, SVK	CZE(4.2.2.F) ROU(4.2.2.F)
120191361	KAZBC11416	KAZ	100	BAKHTY VKO	46°39'48"N 82°43'21"E	KAZ	ADD	ND	20.72	BC	4			48		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191366	KAZBC11348	KAZ	100	BASKUNSHI ALM	44°20'24"N 80°22'53"E	KAZ	ADD	ND	20.72	BC	4			180		AFG(4.2.2.C) CHN(RES4) KGZ(4.2.2.F)
120191373	KAZBC11350	KAZ	100	DOSTYK ALM	45°15'2"N 82°29'47"E	KAZ	ADD	ND	20.72	BC	4			127		CHN(RES4) KGZ(4.2.2.F)
120191376	KAZBC11394	KAZ	100	KARGALY ALM	45°37'11"N 80°28'13"E	KAZ	ADD	ND	26.71	BC	4			89		CHN(RES4) KGZ(4.2.2.F)
120191403	KAZBC11384	KAZ	100	URDZHAR VKO	47°5'48"N 81°38'50"E	KAZ	ADD	ND	26.69	BC	4			67		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191421	KAZBC10324	KAZ	100	AKTEREK ALM	43°16'22"N 75°29'8"E	KAZ	ADD	ND	20.72	BC	4			119		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120191429	KAZBC10294	KAZ	100	ASCHISU ALM	44°14'19"N 75°43'43"E	KAZ	ADD	ND	20.72	BC	4			67		CHN(RES4) KGZ(4.2.2.F) UZB(4.2.2.F)
120191447	KAZBC10326	KAZ	100	KUSHAMAN ZHM	44°14'45"N 73°19'56"E	KAZ	ADD	ND	26.73	BC	4			30		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191475	KAZBC10316	KAZ	100	ZHALANASH ALM	43°2'15"N 78°37'41"E	KAZ	ADD	ND	26.44	BC	4			354		CHN(RES4) KGZ(4.2.2.A, F)
120191306	KAZBC10303	KAZ	100	KYZYLUSH ALM	42°45'33"N 80°7'57"E	KAZ	ADD	ND	26.71	BC	4			167		CHN(RES4) KGZ(4.2.2.A, F)
120191371	KAZBC11402	KAZ	100.1	CHIMBULAK ALM	45°35'16"N 80°51'34"E	KAZ	ADD	ND	20.72	BC	4			51		CHN(RES4) KGZ(4.2.2.F)
120191395	KAZBC11386	KAZ	100.2	SHILIKTY VKO	47°10'19"N 84°31'47"E	KAZ	ADD	ND	26.73	BC	4			84		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191401	KAZBC11434	KAZ	100.2	TOSKAIN VKO	48°52'21"N 86°17'13"E	KAZ	ADD	ND	26.73	BC	4			56		CHN(RES4) MNG(4.2.2.A, F) RUS(4.2.2.A, F)
120191459	KAZBC10262	KAZ	100.3	SATY ALM	43°4'12"N 78°24'14"E	KAZ	ADD	ND	20.72	BC	4			-2		CHN(RES4) KGZ(4.2.2.A, F)
120191358	KAZBC11353	KAZ	100.4	ASCHIBULAK ALM	45°15'25"N 79°31'10"E	KAZ	ADD	ND	20.72	BC	4			97		CHN(RES4) KGZ(4.2.2.F)
120191304	KAZBC10311	KAZ	100.4	KAKPAK ALM	42°47'59"N 79°53'51"E	KAZ	ADD	ND	20.7	BC	4			66		CHN(RES4) KGZ(4.2.2.A, F)
120191369	KAZBC11378	KAZ	100.7	BURAN VKO	48°0'51"N 85°12'25"E	KAZ	ADD	ND	26.73	BC	4			29		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)
120191386	KAZBC11359	KAZ	100.7	LEPSINSK ALM	45°33'32"N 80°45'49"E	KAZ	ADD	ND	26.53	BC	4			753		CHN(RES4) KGZ(4.2.2.F)
120191404	KAZBC11442	KAZ	100.7	URUNKHAICA VKO	48°46'48"N 86°1'58"E	KAZ	ADD	ND	20.7	BC	4			158		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)
120191412	KAZBC11418	KAZ	100.8	ZHANAAUYL VKO	47°13'29"N 84°6'49"E	KAZ	ADD	ND	20.72	BC	4			110		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191437	KAZBC10284	KAZ	100.8	KARABASTAU ALM	43°46'34"N 75°35'13"E	KAZ	ADD	ND	20.72	BC	4			92		CHN(RES4) KGZ(4.2.2.F) UZB(4.2.2.F)
120196788		UKR	100.8	OKNY	47°32'42"N 29°28'30"E	UKR	ADD	D	26.5	BC	4			27	MDA	BLR(4.2.2.F) BUL(4.2.2.F) HNG(4.2.2.F) ROU(4.2.2.A, F)
120191461	KAZBC10352	KAZ	101.1	SHOKPAR ZHM	43°49'20"N 74°22'41"E	KAZ	ADD	ND	20.7	BC	4			112		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191372	KAZBC11403	KAZ	101.2	CHIMBULAK ALM	45°35'16"N 80°51'34"E	KAZ	ADD	ND	20.72	BC	4			51		CHN(RES4) KGZ(4.2.2.F)
120191422	KAZBC10323	KAZ	101.2	AKTEREK ALM	43°16'22"N 75°29'8"E	KAZ	ADD	ND	20.72	BC	4			119		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191460	KAZBC10261	KAZ	101.3	SATY ALM	43°4'12"N 78°24'14"E	KAZ	ADD	ND	20.72	BC	4			-2		CHN(RES4) KGZ(4.2.2.A, F)
120191365	KAZBC11349	KAZ	101.4	BASKUNCHI ALM	44°20'24"N 80°22'53"E	KAZ	ADD	ND	20.72	BC	4			180		CHN(RES4) KGZ(4.2.2.F)
120191448	KAZBC10325	KAZ	101.4	KUSHAMAN ZHM	44°14'45"N 73°19'56"E	KAZ	ADD	ND	26.73	BC	4			30		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191305	KAZBC10310	KAZ	101.4	KAKPAK ALM	42°47'59"N 79°53'51"E	KAZ	ADD	ND	20.7	BC	4			66		CHN(RES4) KGZ(4.2.2.A, F)
120191363	KAZBC11406	KAZ	101.5	BARLYKARASAN VKO	48°48'31"N 85°39'42"E	KAZ	ADD	ND	20.7	BC	4			36		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)
120191359	KAZBC11354	KAZ	101.6	ASCHIBULAK ALM	45°15'25"N 79°31'10"E	KAZ	ADD	ND	20.72	BC	4			97		CHN(RES4) KGZ(4.2.2.F)
120191377	KAZBC11395	KAZ	101.6	KARGALY ALM	45°37'11"N 80°28'13"E	KAZ	ADD	ND	26.71	BC	4			89		CHN(RES4) KGZ(4.2.2.F)
120191396	KAZBC11387	KAZ	101.6	SHILIKTY VKO	47°10'19"N 84°31'47"E	KAZ	ADD	ND	26.73	BC	4			84		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191430	KAZBC10293	KAZ	101.6	ASCHISU ALM	44°14'19"N 75°43'43"E	KAZ	ADD	ND	20.72	BC	4			67		CHN(RES4) KGZ(4.2.2.F) UZB(4.2.2.F)
120191370	KAZBC11379	KAZ	101.7	BURAN VKO	48°0'51"N 85°12'25"E	KAZ	ADD	ND	26.73	BC	4			29		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)
120191402	KAZBC11435	KAZ	101.7	TOSKAIN VKO	48°52'21"N 86°17'13"E	KAZ	ADD	ND	26.73	BC	4			56		CHN(RES4) MNG(4.2.2.A, F) RUS(4.2.2.A, F)
120191445	KAZBC10305	KAZ	101.7	KURMETI ALM	43°1'15"N 78°17'27"E	KAZ	ADD	ND	20.7	BC	4			167		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120197281		MRC	101.7	EL KHIAR	33°26'45"N 6°38'33"W	MRC	ADD	ND	27	BC	4			348		ALG(4.2.2.F) E(4.2.2.F) G(4.2.2.F) POR(4.2.2.F)
120191378	KAZBC11347	KAZ	101.8	KHORGOS ALM	44°13'19"N 80°22'57"E	KAZ	ADD	ND	20.72	BC	4			156		CHN(RES4) KGZ(4.2.2.A, F)
120191407	KAZBC11376	KAZ	101.8	USHBULAK ALM	45°48'6"N 81°17'41"E	KAZ	ADD	ND	20.72	BC	4			154		CHN(RES4) KGZ(4.2.2.F)
120191311	KAZBC10255	KAZ	101.8	SUMBE ALM	42°55'59"N 80°29'16"E	KAZ	ADD	ND	20.7	BC	4			144		CHN(RES4) KGZ(4.2.2.A, F)
120191357	KAZBC11357	KAZ	102	AKZHAR VKO	47°35'5"N 83°40'31"E	KAZ	ADD	ND	28.97	BC	4			144		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120191393	KAZBC11351	KAZ	102	SHATYRBAI ALM	45°31'2"N 80°20'16"E	KAZ	ADD	ND	20.72	BC	4			136		CHN(RES4) KGZ(4.2.2.F)
120191405	KAZBC11443	KAZ	102	URUNKHAIKA VKO	48°46'48"N 86°1'58"E	KAZ	ADD	ND	20.7	BC	4			158		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)
120191438	KAZBC10283	KAZ	102	KARABASTAU ALM	43°46'34"N 75°35'13"E	KAZ	ADD	ND	20.72	BC	4			92		CHN(RES4) KGZ(4.2.2.F) UZB(4.2.2.F)
120191314	KAZBC10250	KAZ	102	UZYNBULAK ALM	43°9'33"N 79°0'39"E	KAZ	ADD	ND	20.72	BC	4			306		CHN(RES4) KGZ(4.2.2.A, F)
120191368	KAZBC11392	KAZ	102.1	BUGUBAI VKO	46°42'52"N 82°33'45"E	KAZ	ADD	ND	20.72	BC	4			66		CHN(RES4) KGZ(4.2.2.F) MNG(4.2.2.F) RUS(4.2.2.F)
120191388	KAZBC11440	KAZ	102.2	LESNOVKA ALM	44°18'41"N 79°53'23"E	KAZ	ADD	ND	20.72	BC	4			169		CHN(RES4) KGZ(4.2.2.A, F)
120191414	KAZBC11420	KAZ	102.2	ZHANATALAP VKO	47°6'47"N 84°3'9"E	KAZ	ADD	ND	20.72	BC	4			134		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191307	KAZBC10264	KAZ	102.3	SARYBASTAU ALM	42°58'51"N 80°16'58"E	KAZ	ADD	ND	20.72	BC	4			138		CHN(RES4) KGZ(4.2.2.A, F)
120191397	KAZBC11374	KAZ	102.4	TOKZHAILAU ALM	45°48'45"N 81°5'2"E	KAZ	ADD	ND	20.72	BC	4			81		CHN(RES4) KGZ(4.2.2.F)
120191367	KAZBC11438	KAZ	102.5	BATPAKTY VKO	47°14'44"N 81°28'55"E	KAZ	ADD	ND	20.72	BC	4			274		CHN(RES4) RUS(4.2.2.F)
120191383	KAZBC11390	KAZ	102.5	KYZYLBULAK VKO	47°1'8"N 82°15'7"E	KAZ	ADD	ND	20.72	BC	4			147		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191423	KAZBC10322	KAZ	102.5	ALGABAS ALM	43°11'3"N 78°31'14"E	KAZ	ADD	ND	20.7	BC	4			-76		CHN(RES4) KGZ(4.2.2.A, F)
120191431	KAZBC10320	KAZ	102.5	BERIKTAS ALM	43°16'23"N 75°43'4"E	KAZ	ADD	ND	20.7	BC	4			133		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191364	KAZBC11407	KAZ	102.6	BARLYKARASAN VKO	48°48'31"N 85°39'42"E	KAZ	ADD	ND	20.7	BC	4			33		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)
120191381	KAZBC11372	KAZ	102.6	KONYROLEN ALM	44°16'46"N 79°18'19"E	KAZ	ADD	ND	20.72	BC	4			162		CHN(RES4) KGZ(4.2.2.F)
120191413	KAZBC11419	KAZ	102.6	ZHANAAUYL VKO	47°13'29"N 84°6'49"E	KAZ	ADD	ND	20.72	BC	4			110		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191420	KAZBC10300	KAZ	102.6	AKSHI ALM	43°59'40"N 76°19'19"E	KAZ	ADD	ND	20.72	BC	4			38		CHN(RES4) KGZ(4.2.2.F) UZB(4.2.2.F)
120191309	KAZBC10268	KAZ	102.6	SHYBYSHY ALM	43°3'25"N 78°56'45"E	KAZ	ADD	ND	26.4	BC	4			519		CHN(RES4) KGZ(4.2.2.A, F)
120191374	KAZBC11436	KAZ	102.7	KAINARLY VKO	48°26'24"N 85°30'14"E	KAZ	ADD	ND	20.72	BC	4			213		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191387	KAZBC11360	KAZ	102.7	LEPSINSK ALM	45°33'32"N 80°45'49"E	KAZ	ADD	ND	26.53	BC	4			753		CHN(RES4) KGZ(4.2.2.F)
120191409	KAZBC11400	KAZ	102.7	USHBULAK VKO	48°46'27"N 84°57'52"E	KAZ	ADD	ND	20.72	BC	4			-31		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191446	KAZBC10304	KAZ	102.7	KURMETI ALM	43°1'15"N 78°17'27"E	KAZ	ADD	ND	20.7	BC	4			167		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191355	KAZBC11424	KAZ	102.8	AKSHOKY VKO	46°56'1"N 82°51'48"E	KAZ	ADD	ND	20.72	BC	4			140		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191436	KAZBC10331	KAZ	102.8	KAIYNDY ZHM	42°55'50"N 71°56'55"E	KAZ	ADD	ND	20.7	BC	4			130		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120196493	RUS20060376BC	RUS	102.8	TEBERDA KAR CHER	43°27'12"N 41°44'56"E	RUS	MODIFY	ND	23	BC	1			-64		ARM(4.2.2.F) AZE(4.2.2.F) GEO(4.2.2.A, F) IRN(4.2.2.F) TUR(4.2.2.F) UKR(4.2.2.F)
120196494	RUS20060379BC	RUS	102.8	UCHKULAN KAR CHER	43°27'29"N 42°5'48"E	RUS	MODIFY	ND	23	BC	1			67		ARM(4.2.2.F) AZE(4.2.2.F) GEO(4.2.2.A, F) IRN(4.2.2.F) TUR(4.2.2.F) UKR(4.2.2.F)
120196497	RUS20060380BC	RUS	102.8	ARKHYZ KAR CHER	43°33'34"N 41°16'26"E	RUS	MODIFY	ND	17.8	BC	1			-161		ARM(4.2.2.F) AZE(4.2.2.F) GEO(4.2.2.A, F) TUR(4.2.2.F) UKR(4.2.2.F)
120191390	KAZBC11408	KAZ	102.9	NEKRASOVKA VKO	47°14'39"N 81°24'29"E	KAZ	ADD	ND	20.72	BC	4			217		CHN(RES4) RUS(4.2.2.F)
120191392	KAZBC11355	KAZ	103	SARYTOBE ALM	44°15'31"N 79°20'48"E	KAZ	ADD	ND	20.72	BC	4			228		CHN(RES4) KGZ(4.2.2.A, F)
120191408	KAZBC11377	KAZ	103	USHBULAK ALM	45°48'6"N 81°17'41"E	KAZ	ADD	ND	20.72	BC	4			154		CHN(RES4) KGZ(4.2.2.F)
120191439	KAZBC10309	KAZ	103	KARABULAK ALM	43°4'30"N 78°32'13"E	KAZ	ADD	ND	20.7	BC	4			217		CHN(RES4) KGZ(4.2.2.A, F)
120196495	RUS20060373BC	RUS	103	DZHEGUTA KAR CHER	43°59'21"N 42°3'2"E	RUS	MODIFY	ND	17.8	BC	1			213		ARM(4.2.2.F) AZE(4.2.2.F) GEO(4.2.2.F) TUR(4.2.2.F) UKR(4.2.2.F)
120191379	KAZBC11412	KAZ	103.1	KOILYK ALM	45°38'48"N 80°15'15"E	KAZ	ADD	ND	26.73	BC	4			105		CHN(RES4) KGZ(4.2.2.F)
120196496	RUS20060375BC	RUS	103.1	KURDZHINOVO KAR CHER	43°59'54"N 40°56'45"E	RUS	ADD	ND	17.8	BC	1			131		ARM(4.2.2.F) AZE(4.2.2.F) GEO(4.2.2.A, F) TUR(4.2.2.F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																UKR(4.2.2.F)
120191362	KAZBC11417	KAZ	103.2	BAKHTY VKO	46°39'48"N 82°43'21"E	KAZ	ADD	ND	20.72	BC	4			47		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191380	KAZBC11366	KAZ	103.2	KOKZHAR ALM	45°39'29"N 80°53'24"E	KAZ	ADD	ND	20.7	BC	4			32		CHN(RES4) KGZ(4.2.2.F)
120191389	KAZBC11441	KAZ	103.2	LESNOVKA ALM	44°18'41"N 79°53'23"E	KAZ	ADD	ND	20.72	BC	4			169		CHN(RES4) KGZ(4.2.2.A, F)
120191399	KAZBC11398	KAZ	103.3	TOPOLEVKA ALM	45°25'39"N 80°19'56"E	KAZ	ADD	ND	20.72	BC	4			39		CHN(RES4) KGZ(4.2.2.F)
120191308	KAZBC10263	KAZ	103.3	SARYBASTAU ALM	42°58'51"N 80°16'58"E	KAZ	ADD	ND	20.72	BC	4			138		CHN(RES4) KGZ(4.2.2.A, F)
120191356	KAZBC11432	KAZ	103.5	AKZHAILAU VKO	48°35'50"N 85°58'19"E	KAZ	ADD	ND	20.72	BC	4			112		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191360	KAZBC11396	KAZ	103.5	ASHIM ALM	45°40'14"N 80°39'18"E	KAZ	ADD	ND	26.73	BC	4			144		CHN(RES4) KGZ(4.2.2.F)
120191382	KAZBC11373	KAZ	103.6	KONYROLEN ALM	44°16'46"N 79°18'19"E	KAZ	ADD	ND	20.72	BC	4			162		CHN(RES4) KGZ(4.2.2.F)
120191354	KAZBC11410	KAZ	103.7	AKBULAK VKO	48°28'18"N 85°0'2"E	KAZ	ADD	ND	20.7	BC	4			69		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191410	KAZBC11401	KAZ	103.7	USHBULAK VKO	48°46'27"N 84°57'52"E	KAZ	ADD	ND	20.72	BC	4			-31		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191451	KAZBC10280	KAZ	103.7	NURLY ALM	43°39'14"N 78°30'50"E	KAZ	ADD	ND	20.72	BC	4			69		CHN(RES4) KGZ(4.2.2.F)
120191375	KAZBC11437	KAZ	103.8	KAINARLY VKO	48°26'24"N 85°30'14"E	KAZ	ADD	ND	20.72	BC	4			213		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191398	KAZBC11375	KAZ	103.8	TOKZHAILAU ALM	45°48'45"N 81°5'2"E	KAZ	ADD	ND	20.72	BC	4			81		CHN(RES4) KGZ(4.2.2.F)
120191432	KAZBC10319	KAZ	103.8	BERIKTAS ALM	43°16'23"N 75°43'4"E	KAZ	ADD	ND	20.7	BC	4			133		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191310	KAZBC10267	KAZ	103.8	SHYBYSHY ALM	43°3'25"N 78°56'45"E	KAZ	ADD	ND	26.4	BC	4			519		CHN(RES4) KGZ(4.2.2.A, F)
120191415	KAZBC11421	KAZ	103.9	ZHANATALAP VKO	47°6'47"N 84°3'9"E	KAZ	ADD	ND	20.72	BC	4			134		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191455	KAZBC10336	KAZ	103.9	RZD BEL ZHM	43°44'49"N 74°41'58"E	KAZ	ADD	ND	20.72	BC	4			101		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191312	KAZBC10252	KAZ	104	TUYUK ALM	43°5'56"N 79°23'43"E	KAZ	ADD	ND	20.72	BC	4			342		CHN(RES4) KGZ(4.2.2.A, F)
120191384	KAZBC11391	KAZ	104.1	KYZYLBULAK VKO	47°1'8"N 82°15'7"E	KAZ	ADD	ND	20.72	BC	4			147		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191394	KAZBC11352	KAZ	104.1	SHATYRBAI ALM	45°31'2"N 80°20'16"E	KAZ	ADD	ND	20.72	BC	4			136		CHN(RES4) KGZ(4.2.2.F)
120204066	36781	MDA	104.1	CARPINENI MINGIR	46°44'19"N 28°20'42"E	MDA	MODIFY	D	26	BC	4			132	ROU, UKR	BUL(4.2.2.F) HNG(4.2.2.F) POL(4.2.2.F) SRB(4.2.2.F) SVK(4.2.2.F)
120197170	RUS19090441BC	RUS	104.1	ROSTOV NA DONU	47°12'49"N 39°40'41"E	RUS	MODIFY	D	37.5	BC	4			242	UKR	GEO(4.2.2.F)
120191391	KAZBC11409	KAZ	104.2	NEKRASOVKA VKO	47°14'39"N 81°24'29"E	KAZ	ADD	ND	20.72	BC	4			217		CHN(RES4) RUS(4.2.2.F)
120191411	KAZBC11364	KAZ	104.2	ZAISAN VKO	47°27'18"N 84°52'40"E	KAZ	ADD	ND	38.52	BC	4			445		CHN(RES4) MNG(4.2.2.A, F) RUS(4.2.2.A, F)
120191400	KAZBC11399	KAZ	104.3	TOPOLEVKA ALM	45°25'39"N 80°19'56"E	KAZ	ADD	ND	20.72	BC	4			39		CHN(RES4) KGZ(4.2.2.F)
120191406	KAZBC11363	KAZ	104.3	USHARAL ALM	46°10'11"N 80°56'0"E	KAZ	ADD	ND	29.57	BC	4			54		CHN(RES4) KGZ(4.2.2.F) RUS(4.2.2.F)
120191433	KAZBC10292	KAZ	104.3	DEGERES ALM	43°14'26"N 75°48'10"E	KAZ	ADD	ND	20.72	BC	4			287		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191385	KAZBC11426	KAZ	104.4	LAIBULAK VKO	47°8'11"N 81°9'12"E	KAZ	ADD	ND	20.72	BC	4			71		CHN(RES4) KGZ(4.2.2.F) RUS(4.2.2.F)
120191315	KAZBC10249	KAZ	104.4	UZYNBULAK ALM	43°9'33"N 79°0'39"E	KAZ	ADD	ND	20.72	BC	4			306		CHN(RES4) KGZ(4.2.2.A, F)
120191322	KAZBC11433	KAZ	104.5	AKZHAILAU VKO	48°35'50"N 85°58'19"E	KAZ	ADD	ND	20.72	BC	4			112		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191345	KAZBC11413	KAZ	104.5	KOILYK ALM	45°38'48"N 80°15'15"E	KAZ	ADD	ND	26.73	BC	4			105		CHN(RES4) KGZ(4.2.2.F)
120191350	KAZBC11356	KAZ	104.6	SARYTOBE ALM	44°15'31"N 79°20'48"E	KAZ	ADD	ND	20.72	BC	4			228		CHN(RES4) KGZ(4.2.2.A, F)
120191346	KAZBC11367	KAZ	104.6	KOKZHAR ALM	45°39'29"N 80°53'24"E	KAZ	ADD	ND	20.7	BC	4			32		CHN(RES4) KGZ(4.2.2.F)
120191339	KAZBC11380	KAZ	104.7	KABANBAI URDZHAR VKO	46°4'45"N 82°4'44"E	KAZ	ADD	ND	26.73	BC	4			49		CHN(RES4) KGZ(4.2.2.F) RUS(4.2.2.F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120191440	KAZBC10308	KAZ	104.8	KARABULAK ALM	43°4'30"N 78°32'13"E	KAZ	ADD	ND	20.7	BC	4			217		CHN(RES4) KGZ(4.2.2.A, F)
120191320	KAZBC11411	KAZ	104.8	AKBULAK VKO	48°28'18"N 85°0'2"E	KAZ	ADD	ND	20.7	BC	4			69		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191323	KAZBC11358	KAZ	104.8	ALTYN SHOKY VKO	47°10'22"N 81°4'19"E	KAZ	ADD	ND	20.72	BC	4			128		CHN(RES4) KGZ(4.2.2.F) RUS(4.2.2.F)
120191329	KAZBC11439	KAZ	104.8	BATPAKTY VKO	47°14'44"N 81°28'55"E	KAZ	ADD	ND	20.72	BC	4			274		CHN(RES4) RUS(4.2.2.F)
120191333	KAZBC11370	KAZ	104.8	EKIASHA ALM	45°23'10"N 80°8'38"E	KAZ	ADD	ND	20.72	BC	4			171		CHN(RES4) KGZ(4.2.2.F)
120191353	KAZBC11365	KAZ	104.9	TEREKTY VKO	48°25'25"N 85°44'19"E	KAZ	ADD	ND	20.7	BC	4			91		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191326	KAZBC11397	KAZ	104.9	ASHIM ALM	45°40'14"N 80°39'18"E	KAZ	ADD	ND	26.73	BC	4			144		CHN(RES4) KGZ(4.2.2.F)
120191341	KAZBC11382	KAZ	104.9	KARABUIRAT VKO	47°20'42"N 81°11'40"E	KAZ	ADD	ND	20.72	BC	4			133		CHN(RES4) RUS(4.2.2.F)
120191321	KAZBC11425	KAZ	105	AKSHOKY VKO	46°56'1"N 82°51'48"E	KAZ	ADD	ND	20.72	BC	4			140		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191316	KAZBC10288	KAZ	105.2	ZHAIDAKBULAK ALM	43°0'5"N 78°48'41"E	KAZ	ADD	ND	26.73	BC	4			365		CHN(RES4) KGZ(4.2.2.A, F)
120191335	KAZBC11422	KAZ	105.2	HOVOANDREEVKA VKO	47°11'34"N 81°31'0"E	KAZ	ADD	ND	20.72	BC	4			184		CHN(RES4) RUS(4.2.2.F)
120197282		MRC	105.2	EL KHIAR	33°26'45"N 6°38'33"W	MRC	ADD	ND	27	BC	4			348		ALG(4.2.2.F) E(4.2.2.F) G(4.2.2.F) POR(4.2.2.F)
120191351	KAZBC11428	KAZ	105.4	SEGIZBAI VKO	47°17'2"N 81°9'22"E	KAZ	ADD	ND	20.72	BC	4			236		CHN(RES4) RUS(4.2.2.F)
120191313	KAZBC10251	KAZ	105.4	TUYUK ALM	43°5'56"N 79°23'43"E	KAZ	ADD	ND	20.72	BC	4			342		CHN(RES4) KGZ(4.2.2.A, F)
120191424	KJAZBC10321	KAZ	105.6	ALGABAS ALM	43°11'3"N 78°31'14"E	KAZ	ADD	ND	20.7	BC	4			-76		CHN(RES4) KGZ(4.2.2.A, F)
120191327	KAZBC11404	KAZ	105.6	BAITOGAS VKO	47°52'54"N 83°49'15"E	KAZ	ADD	ND	29.09	BC	4			87		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)
120196789		UKR	105.6	LYSYCHOVE	48°29'24"N 23°15'33"E	UKR	ADD	D	26	BC	4			338	HNG, POL, SVK	AUT(4.2.2.F) BIH(4.2.2.F) BLR(4.2.2.F) BUL(4.2.2.F) CZE(4.2.2.F) HRV(4.2.2.F) MDA(4.2.2.F) ROU(4.2.2.A, F) SRB(4.2.2.F)
120191434	KAZBC10291	KAZ	105.7	DEGERES ALM	43°14'26"N 75°48'10"E	KAZ	ADD	ND	20.72	BC	4			287		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191435	KAZBC10317	KAZ	105.7	ESIK ALM	43°21'35"N 77°27'26"E	KAZ	ADD	ND	29.72	BC	4			301		CHN(RES4) KGZ(4.2.2.A, F) UZB(4.2.2.F)
120191340	KAZBC11381	KAZ	105.7	KABANBAI URDZHAR VKO	46°4'45"N 82°4'44"E	KAZ	ADD	ND	26.73	BC	4			49		CHN(RES4) KGZ(4.2.2.F) RUS(4.2.2.F)
120191343	KAZBC11414	KAZ	105.7	KARAOI KURCHUM VKO	48°22'55"N 85°22'41"E	KAZ	ADD	ND	20.72	BC	4			87		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191347	KAZBC11427	KAZ	105.8	LAIBULAK VKO	47°8'11"N 81°9'12"E	KAZ	ADD	ND	20.72	BC	4			71		CHN(RES4) KGZ(4.2.2.F) RUS(4.2.2.F)
120191462	KAZBC10351	KAZ	105.8	SHOKPAR ZHM	43°49'20"N 74°22'41"E	KAZ	ADD	ND	20.7	BC	4			112		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120191348	KAZBC11361	KAZ	105.9	SAPAK ALM	45°52'16"N 80°51'57"E	KAZ	ADD	ND	26.08	BC	4			647		CHN(RES4) KGZ(4.2.2.F)
120191342	KAZBC11383	KAZ	105.9	KARABUIRAT VKO	47°20'42"N 81°11'40"E	KAZ	ADD	ND	20.72	BC	4			133		CHN(RES4) RUS(4.2.2.F)
120191302	KAZBC11289	KAZ	106	CHUNDZHA ALM	43°31'53"N 79°28'55"E	KAZ	ADD	ND	33.14	BC	4			178		CHN(RES4) KGZ(4.2.2.A, F)
120191332	KAZBC11393	KAZ	106	BUGUBAI VKO	46°42'52"N 82°33'45"E	KAZ	ADD	ND	20.72	BC	4			66		CHN(RES4) KGZ(4.2.2.F) MNG(4.2.2.F) RUS(4.2.2.F)
120191337	KAZBC11388	KAZ	106	KABANBAI TARBAGATAI VKO	47°52'5"N 83°34'16"E	KAZ	ADD	ND	20.72	BC	4			55		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191452	KAZBC10279	KAZ	106.2	NURLY ALM	43°39'14"N 78°30'50"E	KAZ	ADD	ND	20.72	BC	4			69		CHN(RES4) KGZ(4.2.2.F)
120191336	KAZBC11423	KAZ	106.2	HOVOANDREEVKA VKO	47°11'34"N 81°31'0"E	KAZ	ADD	ND	20.72	BC	4			184		CHN(RES4) RUS(4.2.2.F)
120196790		UKR	106.3	NOVI TROIANY	45°56'23"N 28°51'41"E	UKR	ADD	D	21	BC	4			52	BUL, MDA	ROU(4.2.2.A, F) TUR(4.2.2.F)
120191330	KAZBC11430	KAZ	106.4	BLAGODATNOE VKO	47°16'11"N 81°19'14"E	KAZ	ADD	ND	20.72	BC	4			205		CHN(RES4) RUS(4.2.2.F)
120191324	KAZBC11368	KAZ	106.5	AMANBOKTER ALM	45°16'44"N 80°6'2"E	KAZ	ADD	ND	26.73	BC	4			343		CHN(RES4) KGZ(4.2.2.F)
120203649	RUS20060377BC	RUS	106.5	URUP KAR CHER	43°52'17"N 41°9'22"E	RUS	MODIFY	ND	23	BC	1			529	TUR	ARM(4.2.2.F) AZE(4.2.2.F) GEO(4.2.2.A, F) UKR(4.2.2.F)
120191416	KAZBC10346	KAZ	106.6	AKKOL ZHM	43°25'34"N 70°46'22"E	KAZ	ADD	ND	20.7	BC	4			43		CHN(RES4) KGZ(4.2.2.F) TJK(4.2.2.F) UZB(4.2.2.F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120191328	KAZBC11405	KAZ	106.6	BAITOGAS VKO	47°52'54"N 83°49'15"E	KAZ	ADD	ND	29.09	BC	4			87		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.A, F)
120197171	RUS19090443BC	RUS	106.6	ROSTOV NA DONU	47°12'49"N 39°40'41"E	RUS	MODIFY	D	37.5	BC	4			242	UKR	GEO(4.2.2.F)
120191352	KAZBC11429	KAZ	106.7	SEGIZBAI VKO	47°17'2"N 81°9'22"E	KAZ	ADD	ND	20.72	BC	4			236		CHN(RES4) RUS(4.2.2.F)
120191456	KAZBC10335	KAZ	106.7	RZD BEL ZHM	43°44'49"N 74°41'58"E	KAZ	ADD	ND	20.72	BC	4			101		CHN(RES4) KGZ(4.2.2.A, F) TJK(4.2.2.F) UZB(4.2.2.F)
120196791		UKR	106.7	TATARIV	48°20'52"N 24°33'43"E	UKR	ADD	ND	25	BC	4			204	HNG, MDA, POL, SVK	BLR(4.2.2.F) BUL(4.2.2.F) CZE(4.2.2.F) ROU(4.2.2.A, F) SRB(4.2.2.F)
120191344	KAZBC11415	KAZ	106.8	KARAOI KURCHUM VKO	48°22'55"N 85°22'41"E	KAZ	ADD	ND	20.72	BC	4			87		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191334	KAZBC11371	KAZ	106.9	EKIASHA ALM	45°23'10"N 80°8'38"E	KAZ	ADD	ND	20.72	BC	4			174		CHN(RES4) KGZ(4.2.2.F)
120191303	KAZBC11288	KAZ	107	CHUNDZHA ALM	43°31'53"N 79°28'55"E	KAZ	ADD	ND	33.14	BC	4			178		CHN(RES4) KGZ(4.2.2.A, F)
120203650	RUS20040133BC	RUS	107	NOVOZYBKOV BRYANSK	52°31'16"N 31°58'25"E	RUS	MODIFY	D	34.9	BC	4			153	BLR, UKR	LTU(4.2.2.F) LVA(4.2.2.F)
120191349	KAZBC11362	KAZ	107.3	SAPAK ALM	45°52'16"N 80°51'57"E	KAZ	ADD	ND	26.08	BC	4			647		CHN(RES4) KGZ(4.2.2.F)
120191331	KAZBC11431	KAZ	107.4	BLAGODATNOE VKO	47°16'11"N 81°19'14"E	KAZ	ADD	ND	20.72	BC	4			205		CHN(RES4) RUS(4.2.2.F)
120191338	KAZBC11389	KAZ	107.4	KABANBAI TARBAGATAI VKO	47°52'5"N 83°34'16"E	KAZ	ADD	ND	20.72	BC	4			55		CHN(RES4) MNG(4.2.2.F) RUS(4.2.2.F)
120191417	KAZBC10345	KAZ	107.6	AKKOL ZHM	43°25'34"N 70°46'22"E	KAZ	ADD	ND	20.7	BC	4			43		CHN(RES4) KGZ(4.2.2.F) TJK(4.2.2.F) UZB(4.2.2.F)
120191325	KAZBC11369	KAZ	107.7	AMANBOKTER ALM	45°16'44"N 80°6'2"E	KAZ	ADD	ND	26.73	BC	4			343		CHN(RES4) KGZ(4.2.2.F)
100009941		LUX	107.7	BLASCHETTE	49°42'40"N 6°10'2"E	LUX	MODIFY	D	40	BC	4			227		AUT(4.2.2.F) BEL(4.2.2.A, F) CZE(4.2.2.F) D(4.2.2.A, F) F(4.2.2.A, F) G(4.2.2.A, F) HOL(4.2.2.A, F) I(4.2.2.F) LIE(4.2.2.F) SUI(4.2.2.A, F)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120029066	RUS20020036BC	RUS	87.5	YUZHNO SAKHALINSK	46°57'0"N 142°45'2"E	RUS	ADD	ND	34.6	BC	4			198		
120204067	MDAAbc041216	MDA	87.7	COMRAT	46°17'32"N 28°40'31"E	MDA	MODIFY	D	34.5	BC	4			96	BUL, HNG, ROU, TUR, UKR	
094004879		HRV	87.8	BOGOMOLJE	43°8'0"N 17°1'0"E	HRV	ADD	D	30	BC	4			265	BIH, I, XSC	
120204068	MDAAbc040578	MDA	87.8	CALARASI CRTRM	47°15'50"N 28°18'40"E	MDA	MODIFY	D	32	BC	4			100	BLR, L, HNG, ROU, SVK, UKR	
119104956	MDA041450	MDA	87.9	EDINET CRT	48°10'58"N 27°17'58"E	MDA	ADD	D	31	BC	4			194	ROU, UKR	
111119172	111119172	ALG	88	MAHOUNA	36°22'43"N 7°22'47"E	ALG	ADD	D	40	BC	4			988	CVA, E, F, MCO	
111119090	111119090	ALG	88.1	BOUANDES	36°30'56"N 5°6'6"E	ALG	ADD	ND	24.77	BC	4			928	E	
120204069	MDAAbc041156	MDA	88.1	VULCANESTI 1	45°41'23"N 28°25'27"E	MDA	MODIFY	D	33	BC	4			100	BUL, HNG, ROU, SRB, TUR, UKR	
120047374	RUS18040175BC	RUS	88.3	BELGOROD	50°34'22"N 36°34'46"E	RUS	MODIFY	D	39	BC	4			296	BLR, UKR	
119137111		TZA	88.3	MWANGA	3°40'25"S 37°33'39"E	TZA	MODIFY	ND	30	BC	1			389	KEN	
111119060	111119060	ALG	88.4	AIN M LILA	36°1'0"N 6°28'0"E	ALG	ADD	ND	30	BC	4			196	E, TUN	
111119066	111119066	ALG	88.4	AIN SOLTANE	36°9'41"N 7°21'15"E	ALG	ADD	ND	24.77	BC	4			103	E, TUN	
120047693	D-NI-0884-BAD-001	D	88.4	Bad Rothenfelde	52°6'52"N 8°7'42"E	D	ADD	D	10	BC	4			193	HOL	
119137089		TZA	88.5	ILEJE	9°25'52"S 33°10'29"E	TZA	MODIFY	ND	30	BC	1			122		
112062313	112062313	ALG	88.6	CHLAALAA	35°36'28"N 6°5'14"E	ALG	ADD	D	30	BC	4			706	E	
111119114	111119114	ALG	89	DRISS	36°34'18"N 6°27'21"E	ALG	ADD	D	33.01	BC	4			901	E, TUN	
112062319	112062319	ALG	89	DJ ZERGA	35°3'20"N 4°8'23"E	ALG	ADD	D	40	BC	4			716	E, TUN	
119137100		TZA	89	TUKUYU	9°15'28"S 33°38'41"E	TZA	MODIFY	ND	30	BC	1			493		
119137101		TZA	89.1	MAFIA	7°54'49"S 39°39'39"E	TZA	MODIFY	ND	27	BC	1			57	KEN	
111119190	111119190	ALG	89.2	OUED FRAGHA	36°34'26"N 7°43'31"E	ALG	ADD	ND	24.77	BC	4			97	E	
115030703	2015-53	BDI	89.3	MT BIRIME	3°18'0"S 30°24'0"E	BDI	ADD	ND	30	BC	1			427	KEN, TZA	
112062322	112062322	ALG	89.4	MAADID	35°49'42"N 4°50'38"E	ALG	ADD	ND	24.77	BC	4			673	E	
119104957	MDA041451	MDA	89.4	LEOVA CRTR	46°29'18"N 28°16'58"E	MDA	ADD	D	30	BC	4			169	ROU, UKR	
112062323	112062323	ALG	89.5	OUAOUGHHA	35°58'50"N 4°13'15"E	ALG	ADD	ND	24.77	BC	4			400	E	
120031476	TNA0000521922002	D	89.5	Molbergen	52°53'18"N 7°51'0"E	D	MODIFY	D	30	BC	4			209	DNK, HOL	
120047375	RUS19100482BC	RUS	89.5	SUZEMKA BRYANSK	52°18'0"N 34°4'0"E	RUS	ADD	D	25	BC	4			65	BLR, UKR	
112062324	112062324	ALG	89.6	BOUBEKEUR	35°13'40"N 4°38'12"E	ALG	ADD	D	24.77	BC	4			93	E	
120029445	RUS19120565BC	RUS	89.6	VYSHNII VOLOCHEK TVER	57°33'13"N 34°32'52"E	RUS	ADD	ND	35	BC	4			98	BLR, LVA	
120047376	RUS19110548BC	RUS	89.7	SHKUROPATOV BELG	50°31'4"N 38°53'52"E	RUS	MODIFY	D	36	BC	4			122	UKR	
118091146		E	89.9	TORRELAVEGA	43°18'49"N 4°1'19"W	E	ADD	D	33	BC	4			385	F, POR	
115030693	2015-43	BDI	90	MT INANZERWE	4°3'0"S 29°45'0"E	BDI	ADD	ND	30	BC	1			406	TZA, ZMB	
111119095	111119095	ALG	90.2	BOUATI MAHMOUD	36°36'28"N 7°19'46"E	ALG	ADD	ND	24.77	BC	4			122	E	
120204070	MDAAbc039217	MDA	90.4	VADUL LUI VODA	47°5'37"N 29°4'9"E	MDA	MODIFY	D	20	BC	4			116	BLR, L, HNG, ROU, UKR	
112062331	112062331	ALG	90.6	CHAHBA	35°53'0"N 3°53'50"E	ALG	ADD	D	24.77	BC	4			261	E	
115030709	2015-59	BDI	90.6	MT MUTUMBA	2°40'0"S 30°2'0"E	BDI	ADD	ND	30	BC	1			426	KEN, RRW, TZA	
115030694	2015-44	BDI	90.8	MT INANZERWE	4°3'0"S 29°45'0"E	BDI	ADD	ND	30	BC	1			406	TZA, ZMB	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120204071	MDAAbc038703	MDA	91.1	CHISINAU	47°2'0"N 28°50'0"E	MDA	MODIFY	ND	23	BC	4			101	BLR, L, HNG, ROU, SVK, UKR	
099039057		ROU	91.1	BOTOSANI	47°56'0"N 26°51'0"E	ROU	ADD	D	37	BC	4			208	MDA, UKR	
120030405	TNA0000537072020	D	91.2	Paderborn	51°46'11"N 8°43'17"E	D	ADD	D	34	BC	4			69	BEL, CZE, HOL, LUX	
120204072	MDAAbc040923	MDA	91.2	REZINA CAZ	47°45'22"N 28°57'8"E	MDA	MODIFY	D	39	BC	4			164	BLR, L, HNG, ROU, SVK, UKR	
115030710	2015-60	BDI	91.3	MT MUTUMBA	2°40'0"S 30°2'0"E	BDI	ADD	ND	25	BC	1			426	KEN, RRW, TZA	
119137110		TZA	91.3	MWANGA	3°40'25"S 37°33'39"E	TZA	MODIFY	ND	30	BC	1			389	KEN	
111119061	111119061	ALG	91.5	AIN M LILA	36°1'0"N 6°28'0"E	ALG	ADD	ND	30	BC	4			196	E, TUN	
111119067	111119067	ALG	91.5	AIN SOLTANE	36°9'41"N 7°21'15"E	ALG	ADD	ND	24.77	BC	4			103	E	
120204073	MDAAbc041452	MDA	91.5	CAHUL CRT	45°56'6"N 28°16'34"E	MDA	MODIFY	ND	30	BC	4			230	ROU, UKR	
120204074	MDAAbc038704	MDA	91.6	HINCESTI 0	46°49'33"N 28°34'51"E	MDA	MODIFY	ND	23	BC	4			100	BLR, L, HNG, ROU, SVK, UKR	
119137090		TZA	91.6	ILEJE	9°25'52"S 33°10'29"E	TZA	MODIFY	ND	30	BC	1			122		
120030407	TNA0000528062011	D	91.7	Friedrichsdorf	51°56'32"N 8°29'45"E	D	MODIFY	D	26.5	BC	4			62	HOL	
120204075	MDAAbc042192	MDA	91.7	REZINA RMTTC	47°44'52"N 28°57'53"E	MDA	MODIFY	ND	36	BC	4			150	ROU, UKR	
119137099		TZA	92	TUKUYU	9°15'28"S 33°38'41"E	TZA	MODIFY	ND	30	BC	1			493		
111119115	111119115	ALG	92.1	DRISS	36°34'18"N 6°27'21"E	ALG	ADD	D	33.01	BC	4			901	E, TUN	
112062344	112062344	ALG	92.1	DJ ZERGA	35°3'20"N 4°8'23"E	ALG	ADD	D	40	BC	4			716	E, TUN	
119137102		TZA	92.2	MAFIA	7°54'49"S 39°39'39"E	TZA	MODIFY	ND	27	BC	1			57	KEN	
111119191	111119191	ALG	92.3	OUED FRAGHA	36°34'26"N 7°43'31"E	ALG	ADD	ND	24.77	BC	4			97	E	
094004913		HRV	92.4	LASTOVO	42°45'0"N 16°51'0"E	HRV	MODIFY	D	30	BC	4			432	BIH, I, XSC	
112062346	112062346	ALG	92.5	MAADID	35°49'42"N 4°50'38"E	ALG	ADD	ND	24.77	BC	4			673	E	
119104960	MDA040921	MDA	92.5	GLODENI 1	47°47'16"N 27°30'10"E	MDA	ADD	D	32	BC	4			116	ROU, UKR	
120204076	MDAAbc038750	MDA	92.5	CAUSENI	46°40'5"N 29°22'22"E	MDA	MODIFY	D	22.7	BC	4			100	BUL, ROU, UKR	
120029446	RUS20010006BC	RUS	92.5	NOVOMIKHAILOVKA KHAK	53°21'16"N 91°33'28"E	RUS	ADD	ND	36	BC	1			196	MNG	
111095578		TUN	92.5	BOU KORNINE	36°42'18"N 10°19'59"E	TUN	ADD	D	37	BC	4			590	ALG, E, F, I, LBY, MLT	
112062347	112062347	ALG	92.6	OUAOUGHA	35°58'50"N 4°13'15"E	ALG	ADD	ND	24.77	BC	4			400	E	
115030698	2015-48	BDI	92.6	MT INANZERWE	4°3'0"S 29°45'0"E	BDI	ADD	ND	30	BC	1			406	TZA, ZMB	
120204077	MDAAbc016782	MDA	92.6	CAHUL	45°57'0"N 28°17'0"E	MDA	MODIFY	D	40	BC	4			150	BLR, L, HNG, ROU, SRB, SVK, TUR, UKR	
111119152	111119152	ALG	92.7	KEF BOUDERGA	36°20'36"N 6°4'45"E	ALG	ADD	D	40	BC	4			727	E, TUN	
112062348	112062348	ALG	92.7	BOUBEKEUR	35°13'40"N 4°38'12"E	ALG	ADD	D	24.77	BC	4			93	E	
115102790		E	92.7	BILBAO	43°16'25"N 2°55'5"W	E	ADD	D	36.01	BC	4			213	F, POR	
111119096	111119096	ALG	93.3	BOUATI MAHMOUD	36°36'28"N 7°19'46"E	ALG	ADD	ND	24.77	BC	4			122	E, TUN	
117126453		E	93.5	BENITATXELL	38°43'24"N 0°9'42"E	E	ADD	D	33.01	BC	4			434	ALG, F, MRC	
111095577		TUN	93.5	BOU KORNINE	36°42'18"N 10°19'59"E	TUN	ADD	D	37	BC	4			590	ALG, E, F, I, LBY, MLT	
118091147		E	93.7	TORRELAVEGA	43°18'49"N 4°1'19"W	E	ADD	D	33	BC	4			385	F, POR	
120047377	RUS19100483BC	RUS	93.7	GRAIVORON BELG	50°31'0"N 35°38'0"E	RUS	ADD	D	28	BC	4			119	BLR, UKR	
118114615		UKR	94.2	BERDYCHIV	49°57'0"N 28°38'0"E	UKR	ADD	D	35	BC	4			150	BLR, MDA, POL, ROU, RUS	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
111119174	111119174	ALG	94.3	MAHOUNA	36°22'43"N 7°22'47"E	ALG	ADD	D	40	BC	4			988	CVA, E, F, MCO	
115102785		E	94.3	BILBAO	43°16'25"N 2°55'5"W	E	ADD	D	39.01	BC	4			213	F, POR	
111119092	111119092	ALG	94.4	BOUANDES	36°30'56"N 5°6'6"E	ALG	ADD	ND	24.77	BC	4			928	E	
120029425	RUS19090419BC	RUS	94.4	KRUPETS KURSK	51°37'20"N 34°20'20"E	RUS	ADD	ND	23.5	BC	4			28	BLR, UKR	
120029424	RUS19090418BC	RUS	94.4	CHUROVICH Briansk	52°10'3"N 31°59'46"E	RUS	ADD	ND	17.5	BC	4			73	BLR, UKR	
120204078	MDAbc041217	MDA	94.6	CEADIR LUNGA 2	46°2'44"N 28°51'6"E	MDA	MODIFY	D	24	BC	4			152	BUL, HNG, ROU, TUR, UKR	
111119062	111119062	ALG	94.7	AIN M LILA	36°1'0"N 6°28'0"E	ALG	ADD	ND	30	BC	4			196	E, TUN	
111119068	111119068	ALG	94.7	AIN SOLTANE	36°9'41"N 7°21'15"E	ALG	ADD	ND	24.77	BC	4			103	E, TUN	
119137091		TZA	94.8	ILEJE	9°25'52"S 33°10'29"E	TZA	MODIFY	ND	30	BC	1			122		
120204079	MDAbc040432	MDA	94.9	CHISINAU CRT	47°0'2"N 28°48'34"E	MDA	MODIFY	D	20	BC	4			311	BLR, L, HNG, ROU, UKR	
120204080	MDAbc041453	MDA	94.9	BRICENI 1	48°21'40"N 27°3'6"E	MDA	MODIFY	ND	30	BC	4			150	ROU, UKR	
115030695	2015-45	BDI	95.1	MT INANZERWE	4°3'0"S 29°45'0"E	BDI	ADD	ND	30	BC	1			406	TZA, ZMB	
119104962	MDA041920	MDA	95.1	COMRAT TRG	46°17'41"N 28°40'33"E	MDA	ADD	D	36	BC	4			120	ROU, UKR	
115030673	2015-23	BDI	95.2	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	30	BC	1			769	COD, RRW, TZA	
111119116	111119116	ALG	95.3	DRISS	36°34'18"N 6°27'21"E	ALG	ADD	D	33.01	BC	4			901	E, TUN	
112062365	112062365	ALG	95.3	DJ ZERGA	35°3'20"N 4°8'23"E	ALG	ADD	D	40	BC	4			716	E, TUN	
120204081	MDAbc040591	MDA	95.4	VARNITA	46°51'38"N 29°26'5"E	MDA	MODIFY	D	37.5	BC	4			177	BLR, L, ROU, UKR	
120203933	RUS20070553BC	RUS	95.4	KAVKAZSKAYA KRAS	45°26'0"N 40°39'0"E	RUS	MODIFY	D	31.8	BC	4			126	TUR, UKR	
119137103		TZA	95.4	MAFIA	7°54'49"S 39°39'39"E	TZA	MODIFY	ND	27	BC	1			57	KEN	
111119192	111119192	ALG	95.5	OUED FRAGHA	36°34'26"N 7°43'31"E	ALG	ADD	ND	24.77	BC	4			97	E	
112062368	112062368	ALG	95.7	MAADID	35°49'42"N 4°50'38"E	ALG	ADD	ND	24.77	BC	4			673	E	
112062369	112062369	ALG	95.8	OUAOUGH A	35°58'50"N 4°13'15"E	ALG	ADD	ND	24.77	BC	4			400	E	
117126454		E	95.8	BENITATXELL	38°43'24"N 0°9'42"E	E	ADD	D	33.01	BC	4			434	ALG, F, MRC	
120204082	MDAbc038748	MDA	95.8	DONDUSENI P	48°15'5"N 27°35'57"E	MDA	MODIFY	ND	35	BC	4			150	BLR, L, HNG, ROU, SVK, UKR	
111119153	111119153	ALG	95.9	KEF BOUDERGA	36°20'36"N 6°4'45"E	ALG	ADD	D	40	BC	4			727	E, TUN	
112062370	112062370	ALG	95.9	BOUBEKEUR	35°13'40"N 4°38'12"E	ALG	ADD	D	24.77	BC	4			93	E	
120204083	MDAbc041145	MDA	95.9	PROTEAGAILOVCA	46°49'38"N 29°23'47"E	MDA	MODIFY	D	37	BC	4			157	BUL, ROU, UKR	
115030696	2015-46	BDI	96.2	MT INANZERWE	4°3'0"S 29°45'0"E	BDI	ADD	ND	30	BC	1			406	TZA, ZMB	
120204084	MDAbc040922	MDA	96.2	CHISINAU MI	46°59'35"N 28°49'5"E	MDA	MODIFY	D	34	BC	4			164	BLR, L, HNG, ROU, UKR	
120203934	RUS20070554BC	RUS	96.2	TIKHORETSK KRAS	45°51'0"N 40°8'0"E	RUS	MODIFY	D	35	BC	4			150	UKR	
094004944		HRV	96.3	LASTOVO	42°45'0"N 16°51'0"E	HRV	ADD	D	30	BC	4			432	BIH, I, XSC	
120204085	MDAbc041146	MDA	96.4	VARNITA	46°51'38"N 29°26'5"E	MDA	MODIFY	D	37	BC	4			177	BLR, L, ROU, UKR	
111119097	111119097	ALG	96.5	BOUATI MAHMOUD	36°36'28"N 7°19'46"E	ALG	ADD	ND	24.77	BC	4			122	E	
119137109		TZA	96.5	MWANGA	3°40'25"S 37°33'39"E	TZA	MODIFY	ND	30	BC	1			389	KEN	
120204086	MDAbc041155	MDA	96.6	CANTEMIR CR	46°16'54"N 28°11'57"E	MDA	MODIFY	D	33.5	BC	4			100	BUL, HNG, ROU, SRB, TUR, UKR	
115030711	2015-61	BDI	96.8	MT MUTUMBA	2°40'0"S 30°2'0"E	BDI	ADD	ND	25	BC	1			426	KEN, RRW, TZA	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
119137098		TZA	97.1	TUKUYU	9°15'28"S 33°38'41"E	TZA	MODIFY	ND	30	BC	1			493		
120204087	MDA016813	MDA	97.2	CHISINAU	47°2'0"N 28°50'0"E	MDA	MODIFY	D	35	BC	4			150	BLR, L, HNG, ROU, SVK, TUR, UKR	
119104964	MDA041913	MDA	97.5	TARACLIA MDC	45°53'18"N 28°41'4"E	MDA	ADD	D	24.5	BC	4			145	ROU, UKR	
111119093	111119093	ALG	97.7	BOUANDES	36°30'56"N 5°6'6"E	ALG	ADD	ND	24.77	BC	4			928	E	
120203935	RUS20070555BC	RUS	97.7	IZOBILNYI STAVR	45°21'0"N 41°43'0"E	RUS	MODIFY	D	28	BC	4			112		
113092296		E	97.8	BILBAO	43°13'12"N 2°56'48"W	E	MODIFY	D	43.8	BC	4			667	F, POR	
115030705	2015-54	BDI	97.9	MT BIRIME	3°18'0"S 30°24'0"E	BDI	ADD	ND	33	BC	1			427	KEN, TZA	
111119063	111119063	ALG	98	AIN M LILA	36°1'0"N 6°28'0"E	ALG	ADD	ND	30	BC	4			196	E, TUN	
111119069	111119069	ALG	98	AIN SOLTANE	36°9'41"N 7°21'15"E	ALG	ADD	ND	24.77	BC	4			103	E, TUN	
117083483		E	98	ZARAUZ	43°16'35"N 2°8'14"W	E	ADD	D	36.01	BC	4			194	F, POR	
119137092		TZA	98.1	ILEJE	9°25'52"S 33°10'29"E	TZA	MODIFY	ND	30	BC	1			122		
112062381	112062381	ALG	98.2	CHLAALAA	35°36'28"N 6°5'14"E	ALG	ADD	D	30	BC	4			706	E	
111119117	111119117	ALG	98.6	DRISS	36°34'18"N 6°27'21"E	ALG	ADD	D	33.01	BC	4			901	E, TUN	
112062388	112062388	ALG	98.6	DJ ZERGA	35°3'20"N 4°8'23"E	ALG	ADD	D	40	BC	4			716	E, TUN	
119137104		TZA	98.7	MAFIA	7°54'49"S 39°39'39"E	TZA	MODIFY	ND	27	BC	1			57	KEN	
111119193	111119193	ALG	98.8	OUED FRAGHA	36°34'26"N 7°43'31"E	ALG	ADD	ND	24.77	BC	4			97	E	
112062390	112062390	ALG	99	MAADID	35°49'42"N 4°50'38"E	ALG	ADD	ND	24.77	BC	4			673	E	
120204088	MDA040575	MDA	99	CHISINAU GU	47°2'42"N 28°51'54"E	MDA	MODIFY	D	24	BC	4			125	BLR, L, HNG, ROU, UKR	
112062391	112062391	ALG	99.1	OUAOUGHGA	35°58'50"N 4°13'15"E	ALG	ADD	ND	24.77	BC	4			400	E	
120204089	MDA040576	MDA	99.1	SOLDANESTI	47°48'10"N 28°47'55"E	MDA	MODIFY	ND	35	BC	4			130	ROU, UKR	
111119154	111119154	ALG	99.2	KEF BOUDERGA	36°20'36"N 6°4'45"E	ALG	ADD	D	40	BC	4			727	E, TUN	
112062392	112062392	ALG	99.2	BOUBEKEUR	35°13'40"N 4°38'12"E	ALG	ADD	D	24.77	BC	4			93	E	
115030712	2015-62	BDI	99.2	MT MUTUMBA	2°40'0"S 30°2'0"E	BDI	ADD	ND	30	BC	1			426	KEN, RRW, TZA	
110000080		TUN	99.3	BENI KHEDECHE	33°15'17"N 10°11'18"E	TUN	ADD	D	29.2	BC	4			372	ALG, I, LBY, MLT	
115030713	2015-63	BDI	99.5	MT MUTUMBA	2°40'0"S 30°2'0"E	BDI	ADD	ND	25	BC	1			426	KEN, RRW, TZA	
115030697	2015-47	BDI	99.7	MT INANZERWE	4°3'0"S 29°45'0"E	BDI	ADD	ND	30	BC	1			406	TZA, ZMB	
120029447	RUS19090440BC	RUS	99.7	CHERTKOVO ROST	49°22'11"N 40°10'59"E	RUS	ADD	D	37.5	BC	1			118	UKR	
111119098	111119098	ALG	99.8	BOUATI MAHMOUD	36°36'28"N 7°19'46"E	ALG	ADD	ND	24.77	BC	4			122	E	
119137108		TZA	99.9	MWANGA	3°40'25"S 37°33'39"E	TZA	MODIFY	ND	30	BC	1			389	KEN	
120204090	MDA033087	MDA	100	POIANA SOLDANESTI	47°53'4"N 28°51'21"E	MDA	MODIFY	D	28	BC	4			155	BLR, ROU, UKR	
113030612		E	100.1	SANLUCAR BARRAMEDA	36°46'38"N 6°21'6"W	E	ADD	D	26.99	BC	1			77	ALG, MRC, POR	
112062398	112062398	ALG	100.2	CHAHBA	35°53'0"N 3°53'50"E	ALG	ADD	D	24.77	BC	4			261	E	
115030704	2015-55	BDI	100.2	MT BIRIME	3°18'0"S 30°24'0"E	BDI	ADD	ND	25	BC	1			427	KEN, TZA	
120204091	MDA036452	MDA	100.2	PLOPI	46°12'6"N 28°12'49"E	MDA	MODIFY	ND	19	BC	4			118	BLR, L, HNG, ROU, SRB, SVK, TUR, UKR	
110000081		TUN	100.2	GHOMRASSEN	32°40'0"N 10°31'0"E	TUN	ADD	D	30.41	BC	4			203	ALG, I, LBY	
111119138	111119138	ALG	100.3	GUELMA	36°27'47"N 7°26'19"E	ALG	ADD	ND	26.99	BC	4			105	E	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
120029448	RUS20010001BC	RUS	100.3	ASKIZ KHAK	53°6'57"N 90°27'2"E	RUS	ADD	ND	36	BC	1			229	MNG	
120203936	RUS20070556BC	RUS	100.3	MECHETINSKAYA ROST	46°47'0"N 40°28'0"E	RUS	MODIFY	D	34	BC	4			128		
115030701	2015-51	BDI	100.4	MT INANZERWE	4°3'0"S 29°45'0"E	BDI	ADD	ND	30	BC	1			406	TZA, ZMB	
119137097		TZA	100.4	TUKUYU	9°15'28"S 33°38'41"E	TZA	MODIFY	ND	30	BC	1			493		
120047378	RUS19120799BC	RUS	100.5	DOROGOBUZH SMOL	54°55'48"N 33°17'41"E	RUS	ADD	ND	26	BC	4			72	BLR	
119107106		MRC	100.6	LAMSID	26°32'20"N 13°50'4"W	MRC	ADD	ND	30	BC	4			90	E, MTN, POR	
116194595		E	100.7	VELEZ BENAUDALLA	36°51'5"N 3°31'15"W	E	ADD	D	33.01	BC	4			458	ALG, G, MRC, POR	
115030676	2015-26	BDI	101	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	27	BC	1			769	COD, RRW, TZA	
111119176	111119176	ALG	101.1	MAHOUNA	36°22'43"N 7°22'47"E	ALG	ADD	D	40	BC	4			988	CVA, E, F, MCO	
111119094	111119094	ALG	101.2	BOUANDES	36°30'56"N 5°6'6"E	ALG	ADD	ND	24.77	BC	4			928	E	
113092286		E	101.4	BEASAIN	43°4'0"N 2°12'9"W	E	ADD	D	30	BC	4			534	F, POR	
111119064	111119064	ALG	101.5	AIN M LILA	36°1'0"N 6°28'0"E	ALG	ADD	ND	30	BC	4			196	E, TUN	
111119070	111119070	ALG	101.5	AIN SOLTANE	36°9'41"N 7°21'15"E	ALG	ADD	ND	24.77	BC	4			103	E, TUN	
120030406	TNA0000004631999	D	101.6	Herford	52°8'41"N 8°43'18"E	D	MODIFY	D	31.4	BC	4			225	BEL, HOL	
119137093		TZA	101.6	ILEJE	9°25'52"S 33°10'29"E	TZA	MODIFY	ND	30	BC	1			122		
112062405	112062405	ALG	101.7	CHLAALAA	35°36'28"N 6°5'14"E	ALG	ADD	D	30	BC	4			706	E	
117138965		E	101.9	PALMAS	28°9'28"N 15°25'26"W	CNR	ADD	D	39.03	BC	4			90	MRC, N, POR	
111119118	111119118	ALG	102.1	DRISS	36°34'18"N 6°27'21"E	ALG	ADD	D	33.01	BC	4			901	E, TUN	
112062411	112062411	ALG	102.1	DJ ZERGA	35°3'20"N 4°8'23"E	ALG	ADD	D	40	BC	4			716	E, TUN	
120204677	TNA00000020181999	D	102.1	Mudau	49°30'24"N 9°6'55"E	D	MODIFY	D	44	BC	4			461	AUT, BEL, CZE, F, HOL, I, LIE, LUX, POL, SUI	
119137105		TZA	102.2	MAFIA	7°54'49"S 39°39'39"E	TZA	MODIFY	ND	27	BC	1			59	KEN	
111119194	111119194	ALG	102.3	OUED FRAGHA	36°34'26"N 7°43'31"E	ALG	ADD	ND	24.77	BC	4			97	E	
112062414	112062414	ALG	102.5	MAADID	35°49'42"N 4°50'38"E	ALG	ADD	ND	24.77	BC	4			673	E	
112062415	112062415	ALG	102.6	OUAOUGH	35°58'50"N 4°13'15"E	ALG	ADD	ND	24.77	BC	4			400	E	
111119155	111119155	ALG	102.7	KEF BOUDERGA	36°20'36"N 6°4'45"E	ALG	ADD	D	40	BC	4			727	E, TUN	
112062416	112062416	ALG	102.7	BOUBEKEUR	35°13'40"N 4°38'12"E	ALG	ADD	D	24.77	BC	4			93	E	
113030617		E	102.7	TORRE ALHAQUIME	36°55'36"N 5°12'11"W	E	ADD	D	38.45	BC	4			517	ALG, MRC, POR	
111119099	111119099	ALG	103.3	BOUATI MAHMOUD	36°36'28"N 7°19'46"E	ALG	ADD	ND	24.77	BC	4			122	E, TUN	
115030706	2015-56	BDI	103.3	MT BIRIME	3°18'0"S 30°24'0"E	BDI	ADD	ND	33	BC	1			427	KEN, TZA	
114014612		E	103.4	ZALDIARAN	42°47'40"N 2°44'10"W	E	ADD	D	43.01	BC	4			470	F, POR	
112062422	112062422	ALG	103.7	CHAHBA	35°53'0"N 3°53'50"E	ALG	ADD	D	24.77	BC	4			261	E	
115030679	2015-29	BDI	103.7	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	30	BC	1			769	COD, RRW, TZA	
111119139	111119139	ALG	103.8	GUELMA	36°27'47"N 7°26'19"E	ALG	ADD	ND	26.99	BC	4			105	E	
119137107		TZA	103.9	MWANGA	3°40'25"S 37°33'39"E	TZA	MODIFY	ND	30	BC	1			389	KEN	
119137096		TZA	104	TUKUYU	9°15'28"S 33°38'41"E	TZA	MODIFY	ND	30	BC	1			493		
118091145		E	104.2	TORRELAVEGA	43°18'49"N 4°1'19"W	E	ADD	D	33	BC	4			385	F, POR	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
115030680	2015-30	BDI	104.4	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	30	BC	1			769	COD, RRW, TZA	
111119220	111119220	ALG	104.8	BOUANDES	36°30'56"N 5°6'6"E	ALG	ADD	ND	24.77	BC	4			928	E	
115030681	2015-31	BDI	104.8	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	30	BC	1			769	COD, RRW, TZA	
120029449	RUS19120577BC	RUS	104.9	LODEINOE POLE LEN	60°44'16"N 33°32'34"E	RUS	MODIFY	ND	28	BC	4			58	FIN	
120047379	RUS19100520BC	RUS	104.9	TULA	54°8'30"N 37°35'3"E	RUS	MODIFY	ND	37.5	BC	4			268	BLR, UKR	
111119065	111119065	ALG	105.1	AIN M LILA	36°1'0"N 6°28'0"E	ALG	ADD	ND	30	BC	4			196	E, TUN	
111119071	111119071	ALG	105.1	AIN SOLTANE	36°9'41"N 7°21'15"E	ALG	ADD	ND	24.77	BC	4			103	E	
119137094		TZA	105.2	ILEJE	9°25'52"S 33°10'29"E	TZA	MODIFY	ND	30	BC	1			122		
112062429	112062429	ALG	105.3	CHLAALAA	35°36'28"N 6°5'14"E	ALG	ADD	D	30	BC	4			706	E	
112062433	112062433	ALG	105.5	M DOUKEL	35°7'47"N 5°10'17"E	ALG	ADD	D	24.77	BC	4			83	E	
115030682	2015-32	BDI	105.6	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	30	BC	1			769	COD, RRW, TZA	
111119119	111119119	ALG	105.7	DRISS	36°34'18"N 6°27'21"E	ALG	ADD	D	33.01	BC	4			901	E, TUN	
112062436	112062436	ALG	105.7	DJ ZERGA	35°3'20"N 4°8'23"E	ALG	ADD	D	40	BC	4			716	E, TUN	
119137106		TZA	105.8	MAFIA	7°54'49"S 39°39'39"E	TZA	MODIFY	ND	27	BC	1			57	KEN	
111119195	111119195	ALG	105.9	OUED FRAGHA	36°34'26"N 7°43'31"E	ALG	ADD	ND	24.77	BC	4			97	E	
112062438	112062438	ALG	106.1	MAADID	35°49'42"N 4°50'38"E	ALG	ADD	ND	24.77	BC	4			673	E	
112062439	112062439	ALG	106.2	OUAOUGHA	35°58'50"N 4°13'15"E	ALG	ADD	ND	24.77	BC	4			400	E	
111119156	111119156	ALG	106.3	KEF BOUDERGA	36°20'36"N 6°4'45"E	ALG	ADD	D	40	BC	4			727	E, TUN	
112062440	112062440	ALG	106.3	BOUBEKEUR	35°13'40"N 4°38'12"E	ALG	ADD	D	24.77	BC	4			93	E	
115030684	2015-34	BDI	106.7	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	30	BC	1			769	COD, RRW, TZA	
111119100	111119100	ALG	106.9	BOUATI MAHMOUD	36°36'28"N 7°19'46"E	ALG	ADD	ND	24.77	BC	4			122	E	
112062446	112062446	ALG	107.3	CHAHBA	35°53'0"N 3°53'50"E	ALG	ADD	D	24.77	BC	4			261	E	
115030686	2015-36	BDI	107.5	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	30	BC	1			769	COD, RRW, TZA	
119137095		TZA	107.6	TUKUYU	9°15'28"S 33°38'41"E	TZA	MODIFY	ND	30	BC	1			493		
119137112		TZA	107.6	MWANGA	3°40'25"S 37°33'39"E	TZA	MODIFY	ND	30	BC	1			389	KEN	
115030687	2015-37	BDI	107.7	MT MANGA	3°23'0"S 29°31'0"E	BDI	ADD	ND	30	BC	1			769	COD, RRW, TZA	
114036484		E	107.9	ALMUÑECAR	36°43'57"N 3°41'57"W	E	ADD	D	20.61	BC	1			22	ALG, G, MRC, POR	