



Size: 5.7 m (18.7 ft) x 2.5 m (8 ft)

Mass: 2800 kg (6200 lbs)

Mission Life: 7.25 years

Estimated Cost: \$500M



Size: 5.7 m (18.7 ft) x 2.5 m (8 ft)

- clear and detailed imagery
- agile collection system
- multi spectral imaging bands

Mass: 2800 kg (6200 lbs)

- extremely accurate
- daily capacity equivalent to India

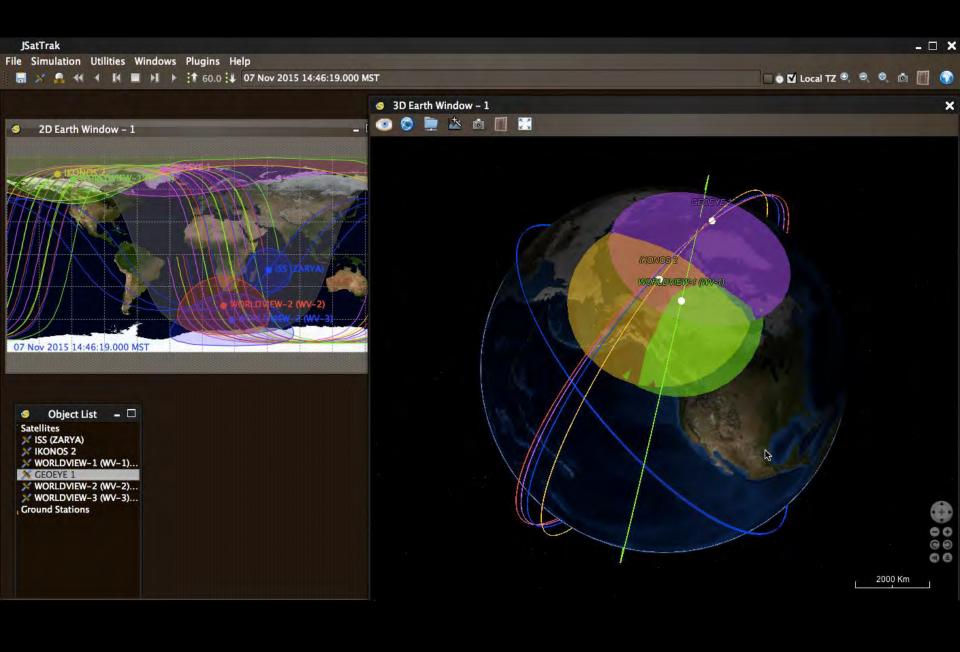
Mission Life: 7.25 years

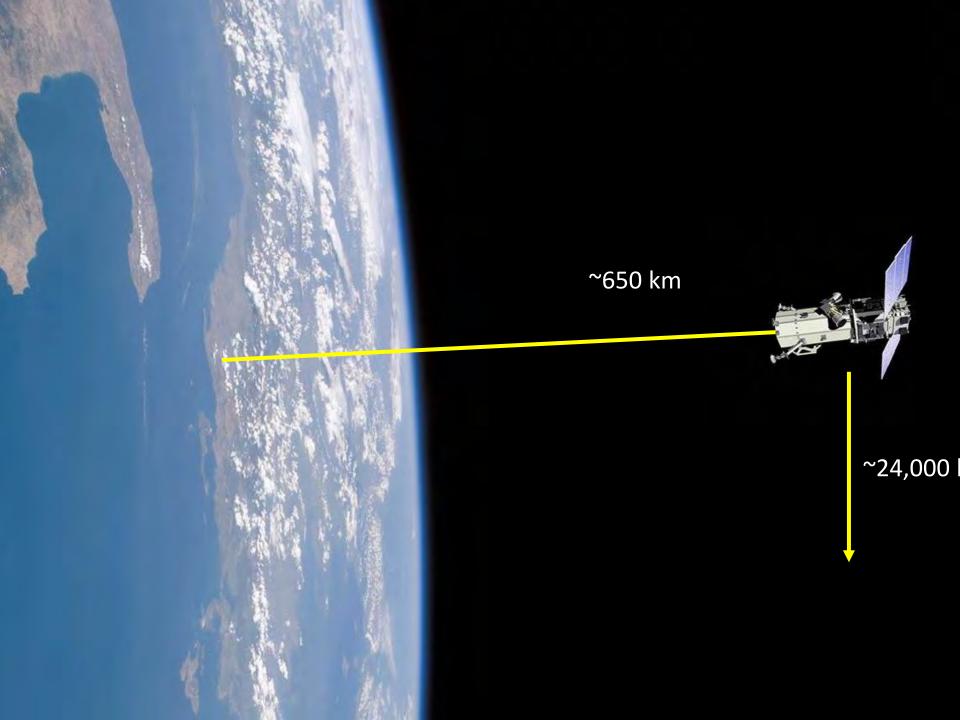
- estimated 12 year lifespan

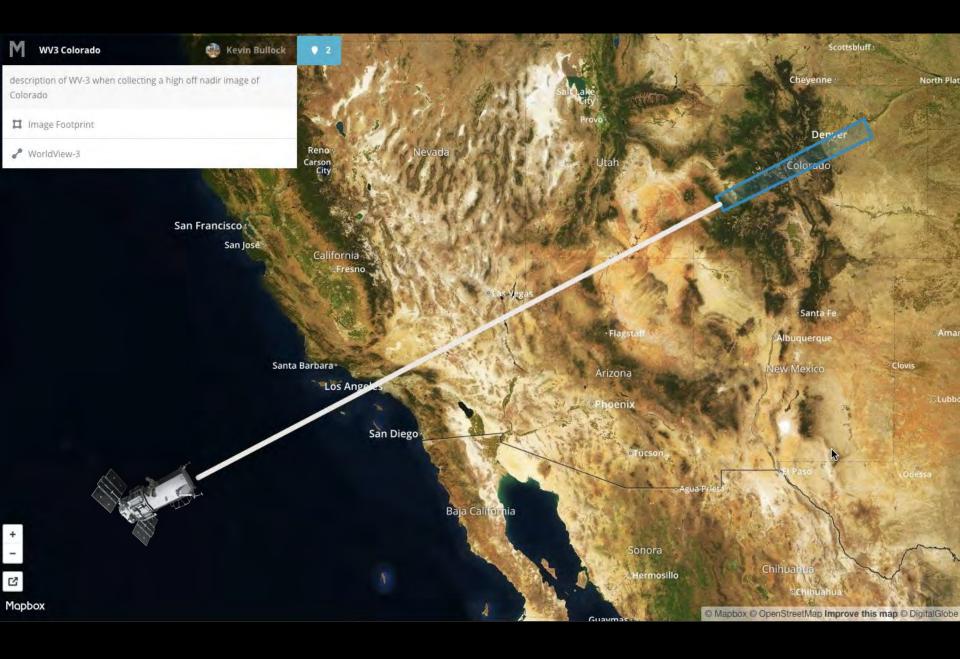
Estimated Cost: \$500M

- 1000+ customers

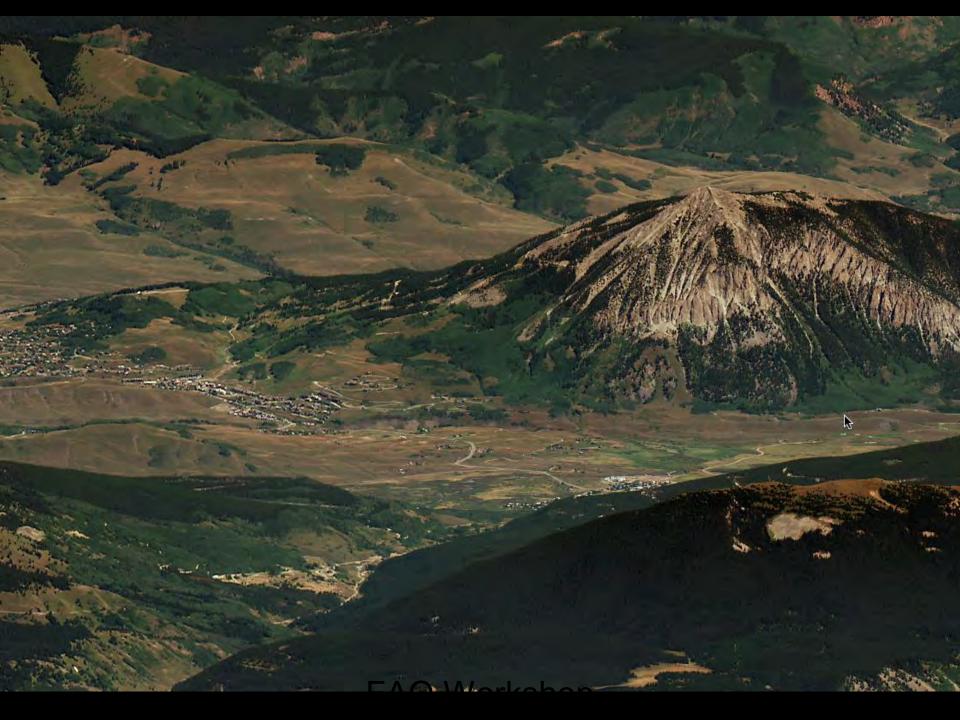


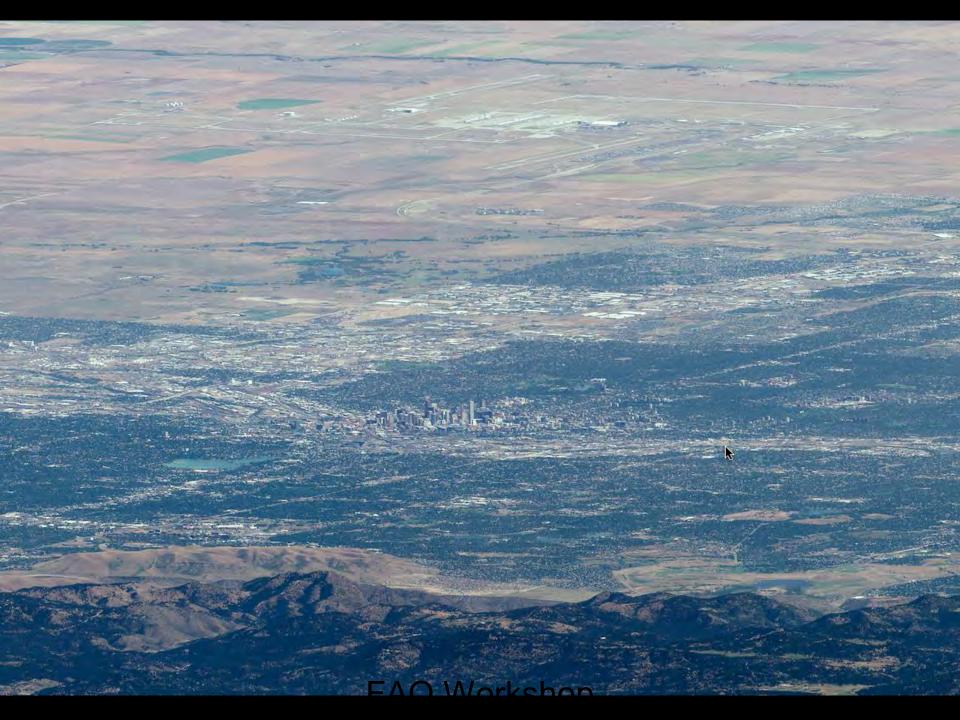














What is the Content Plan?



25 years of Climatology data analyzed at the quarter cell for EVERY landmass cell in the world.

Each cell includes multiple layers of demand detail such as resolution, bands, stereo vs mono, Off Nadir Angle, Cloud Cover, etc.



Each cell has been assigned a category and refresh schema: Suburban, Emerging, Monitoring and Rural.

Each cell is assigned 3 types of 3 month primary tasking windows: El Niño, La Niña, and Neutral weather patterns.

The Cell Categories



		Population	Lights at Night	Tasking Window Uplift	Refresh	% Coverage within 365 days	30 CM Incremental Coverage				50 CM Color Incremental Coverage				Contains or		
Category	Sub Category						1 Year	2 Year	3 Year	4 Year	5 Year	1 Year	2 Year	3 Year	4 Year	5 Year	Intersects +Metro
Suburban																	
	High	1 Million +	High:	3 months	Annual	90%	42%	60%	65%	80%	95%	65%	75%	85%	90%	95%	YES
	Med	500K - 1M	High	3 months	Annual	90%	38%	50%	60%	75%	90%	65%	75%	85%	90%	95%	YES.
	Low	100K - 500K	High	3 months	Annual	90%	35%	45%	55%	70%	85%	60%	70%	80%	90%	95%	Some
Emerging																	
	High	50K - 100K	High to Medium	3 months	Bi-Annual	80%	35%	45%	55%	70%	85%	50%	65%	75%	90%	95%	Some
	Low	20K - 50K	Medium to Low	3 months	Bi-Annual	80%	30%	40%	50%	65%	80%	60%	65%	75%	90%	95%	Some
Rural						1					-						100000
	High	10K-20K	Medium to Low	3 months	Tri-Annual	65%	25%	35%	45%	60%	75%	60%	63%	75%	85%	95%	NO
	Low	< 10K	Low	3 months	Tri-Annual	65%	25%	35%	45%	60%	75%	60%	65%	75%	83%	95%	NO
Monitoring						-											
	Standard	mix	mix	12 months	Continuous	90%	40%	55%	70%	85%	95%	60%	75%	85%	90%	95%	Some
	SecureWatch	mix	mix	12 months	Continuous	90%	40%	55%	70%	83%	95%	60%	75%	85%	90%	95%	Some
	Combination	mix	mix	12 months	Continuous	90%	40%	33%	70%	83%	95%	60%	75%	85%	90%	95%	Some

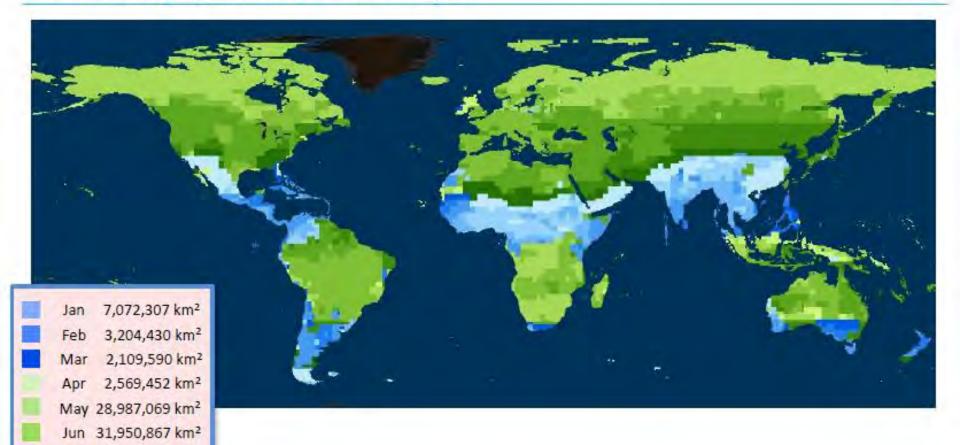


Lights at Night

2015 Population Density

Start Tasking by Month for a 'Neutral' year





Tasking Area = 151,580,632 km²

Specs: Cloud Coverage <= 20% ONA <= 30 deg Min Sun Elevation >= 30deg

Jul 30,306,058 km² Aug 13,595,918 km²

Oct 8,971,348 km²

Nov 8,849,137 km²

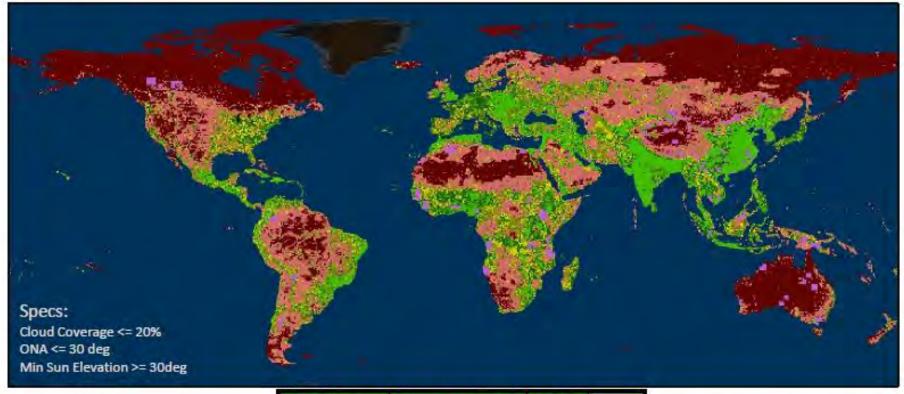
Dec 6,873,939 km²

7,090,516 km²

Global Tasking Strategy Categories

DG Defined



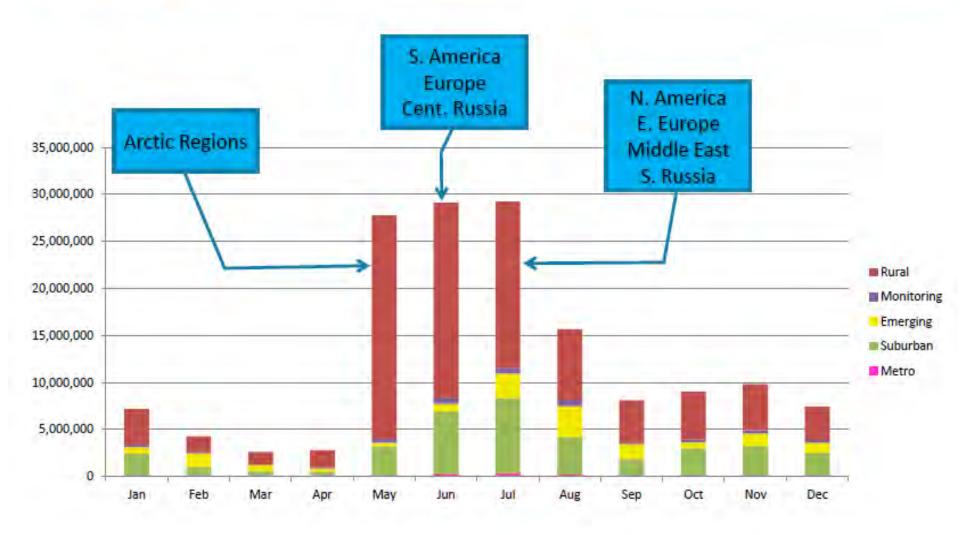


High Suburban	18,429,450 km ²	12.9%				
Med Suburban	4,727,566 km²	3.3%	26.1%			
Low Suburban	14,109,657 km ²	9.9%				
High Emerging	9,952,316 km ²	7.0%	10 10/			
Low Emerging	12,976,490 km ²	9.1%	16.1%			
High Rural	36,999,826 km²	25.9%	EE 10/			
Low Rural	41,610,923 km²	29.2%	55.1%			
Monitoring	3,915,098 km²	2.7%	2.7%			
Total	142,720,273 km ²					

Percentages are based on total area for the year

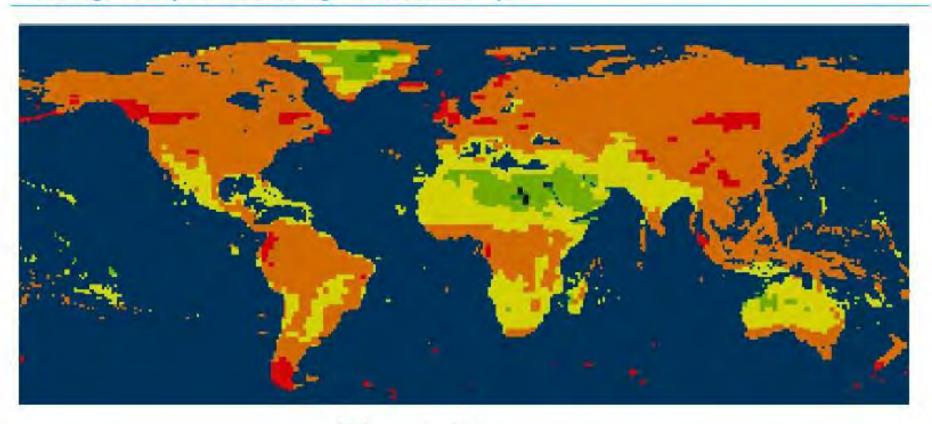
Start Tasking Periods and Area







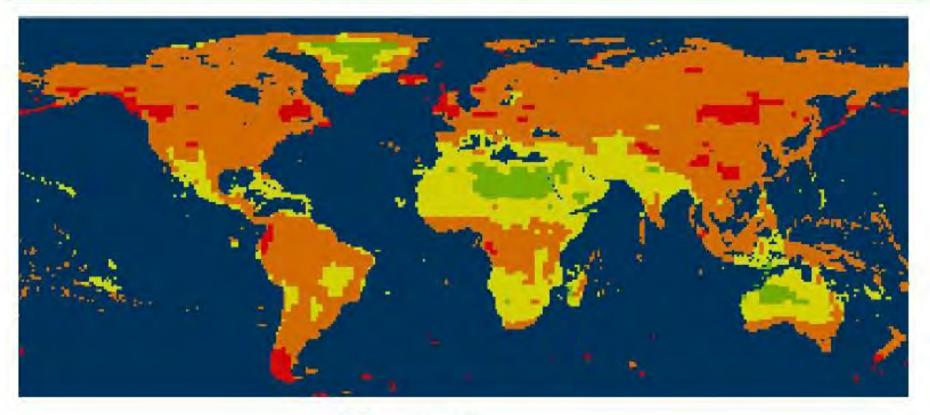
Average Yearly Cloud Coverage for a 'Neutral' year







Average Yearly Cloud Coverage for an 'El Niño' year



<=20%

> 20% and <= 40%

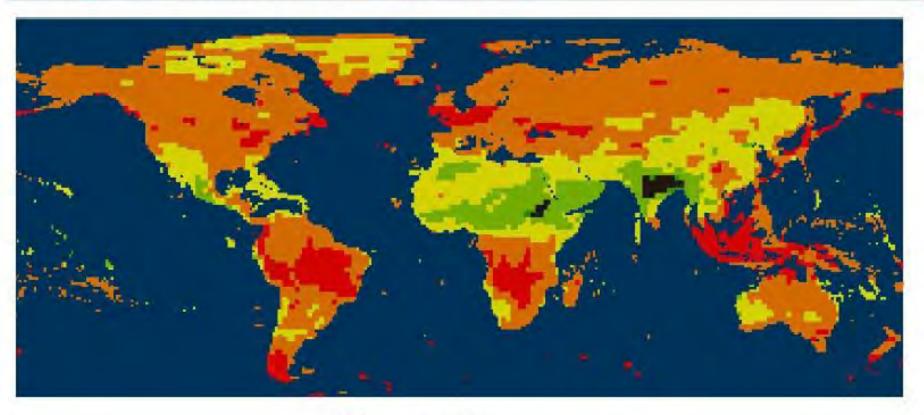
> 40% and <= 60%

> 60% and <= 80%

> 80% and <= 100%



Average Yearly Cloud Coverage for a 'La Niña' year







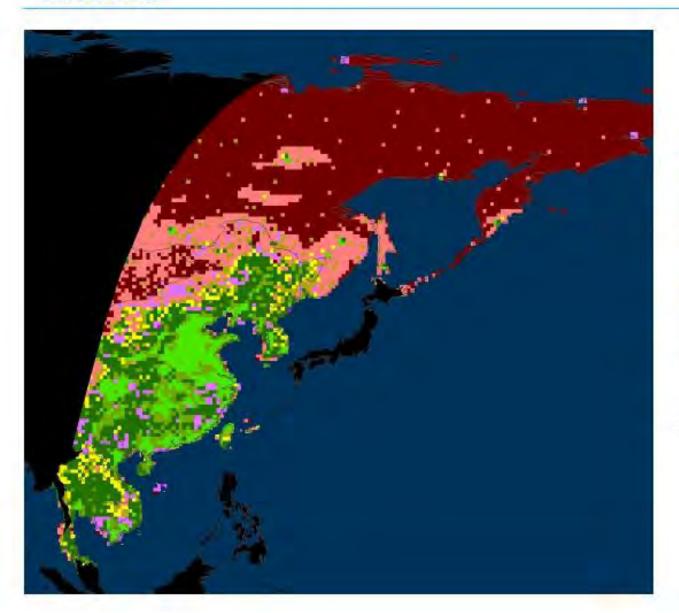
Tasking Categories & Tasking by Month

EAST ASIA 2017 PLAN

Tasking Categories

All Months





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

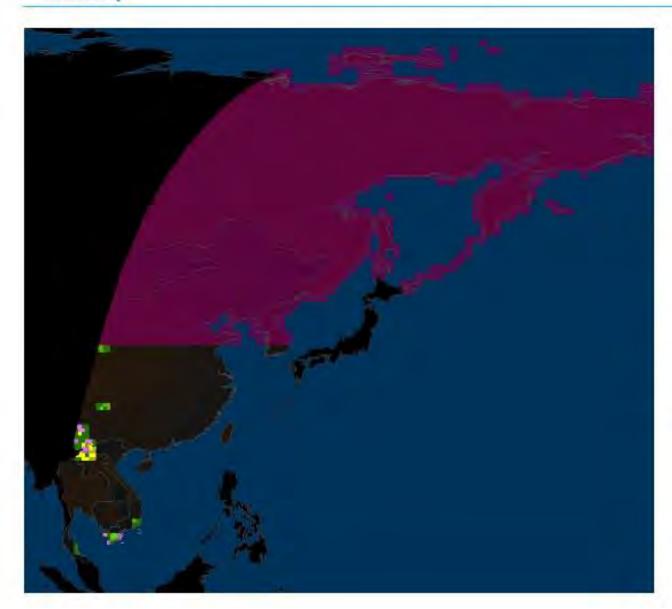
Low Rural

Monitoring

Based on neutral weather patterns

January





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

Monitoring

Out of Sun Elevation

Based on neutral weather patterns

February





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

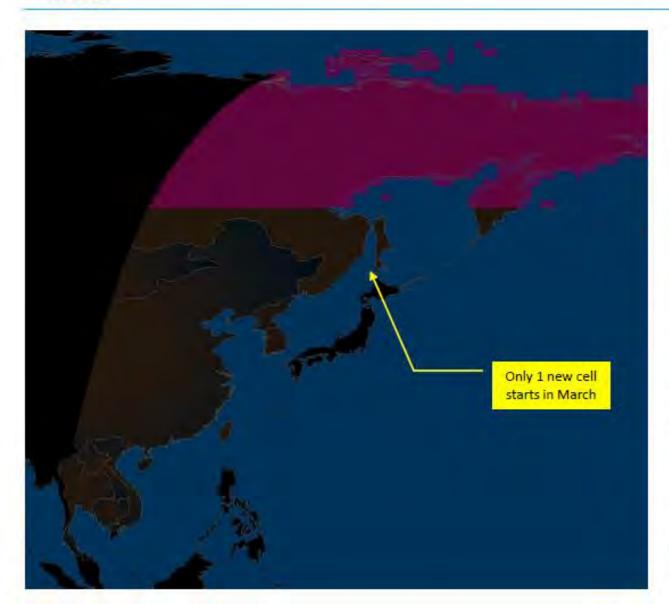
Monitoring

Out of Sun Elevation

Based on neutral weather patterns

March





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

Monitoring

Out of Sun Elevation

Based on neutral weather patterns

April





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

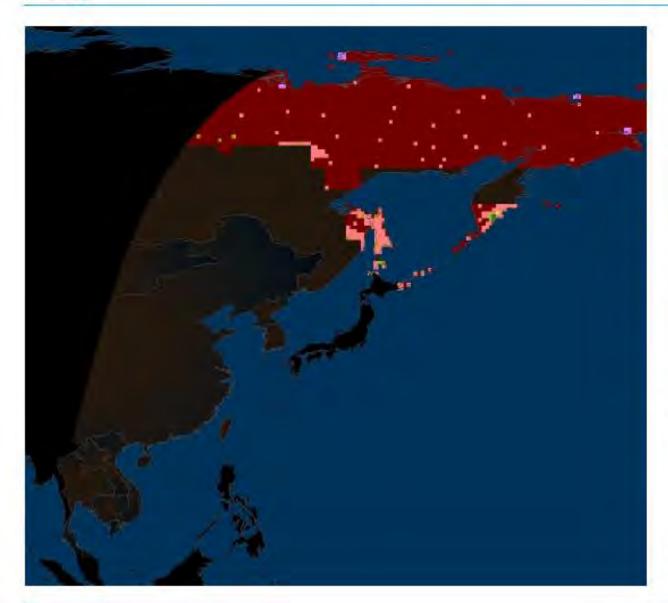
Monitoring

Out of Sun Elevation

Based on neutral weather patterns

May





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

Monitoring

Out of Sun Elevation

Based on neutral weather patterns

June





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

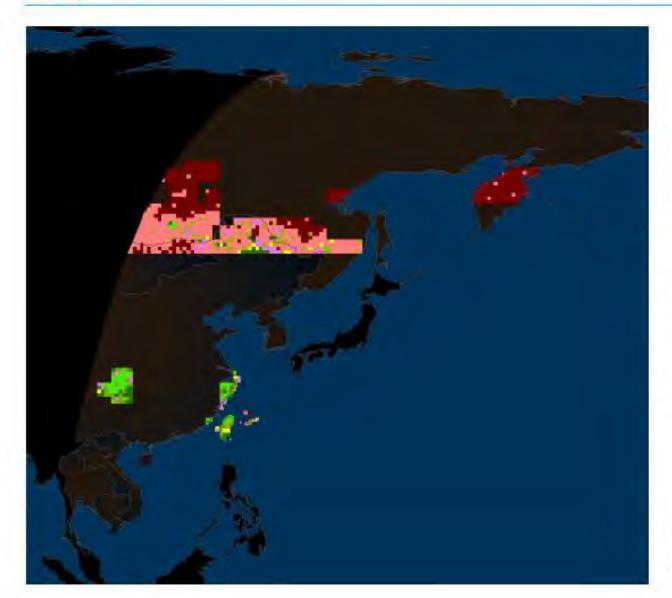
Monitoring

Out of Sun Elevation

Based on neutral weather patterns

July





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

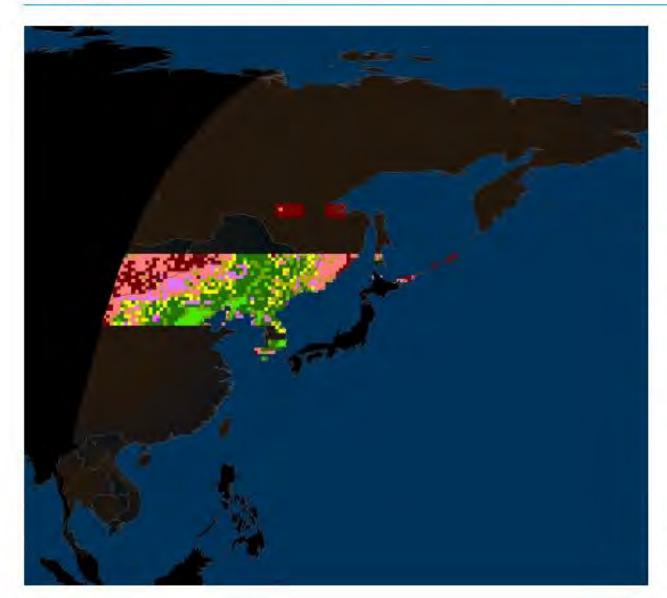
Monitoring

Out of Sun Elevation

Based on neutral weather patterns

August





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

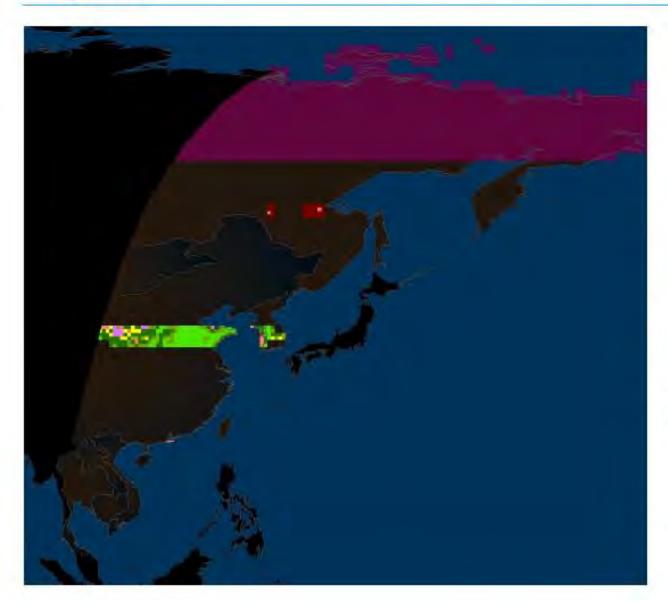
Monitoring

Out of Sun Elevation

Based on neutral weather patterns

September





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

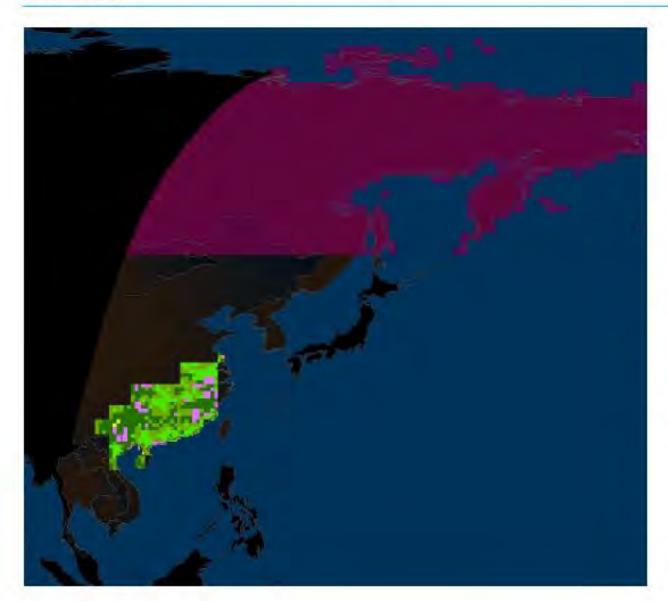
Monitoring

Out of Sun Elevation

Based on neutral weather patterns

October





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

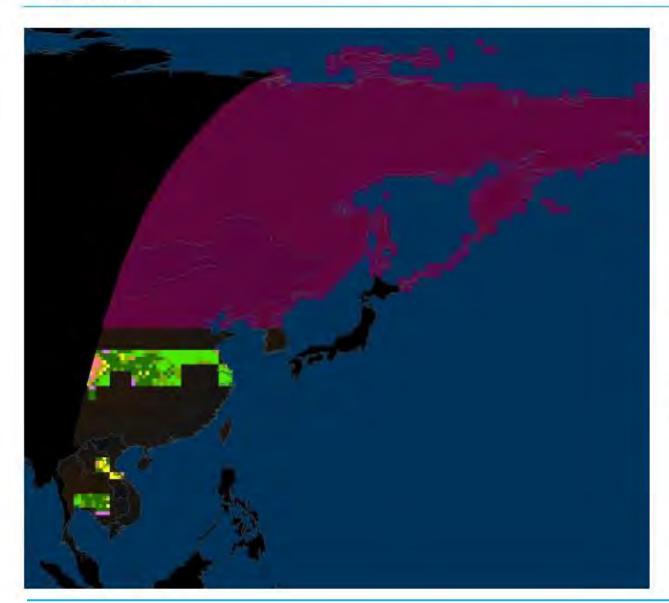
Monitoring

Out of Sun Elevation

Based on neutral weather patterns

November





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

Monitoring

Out of Sun Elevation

Based on neutral weather patterns

December





High Suburban

Med Suburban

Low Suburban

High Emerging

Low Emerging

High Rural

Low Rural

Monitoring

Out of Sun Elevation

Based on neutral weather patterns



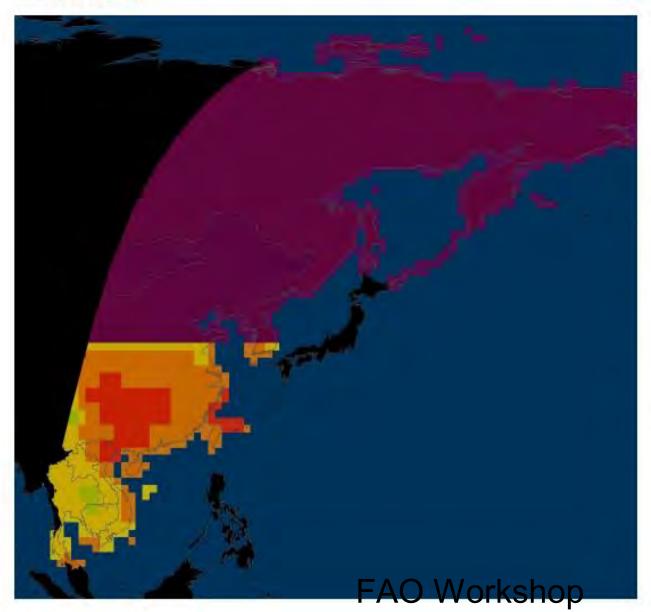
Monthly Weather - East Asia

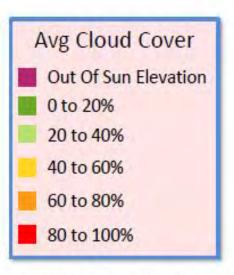
NEUTRAL PATTERN

Monthly Average Cloud Cover - Neutral

DigitalGlobe

January



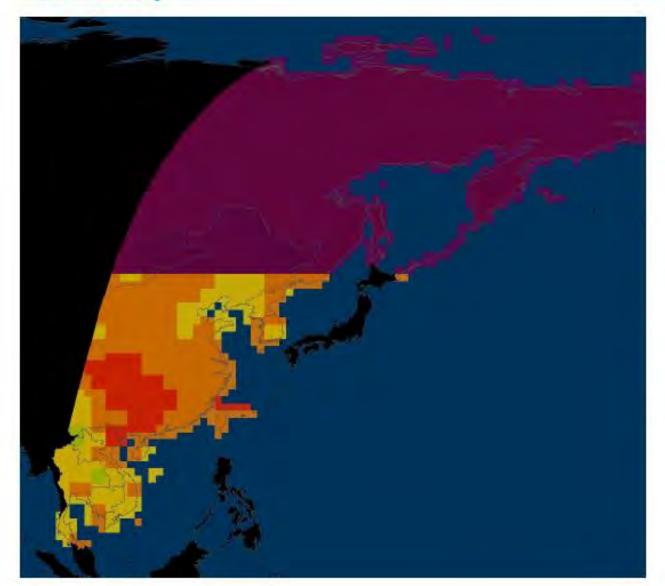


Based on neutral weather patterns

Monthly Average Cloud Cover - Neutral



February

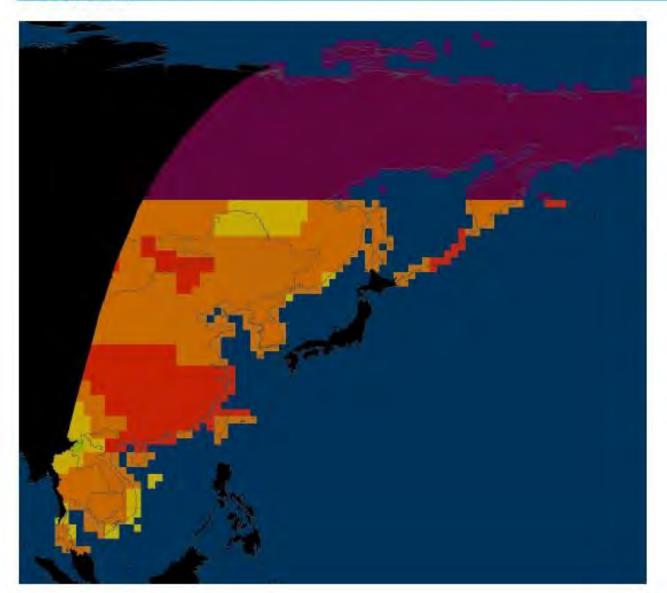




Based on neutral weather patterns



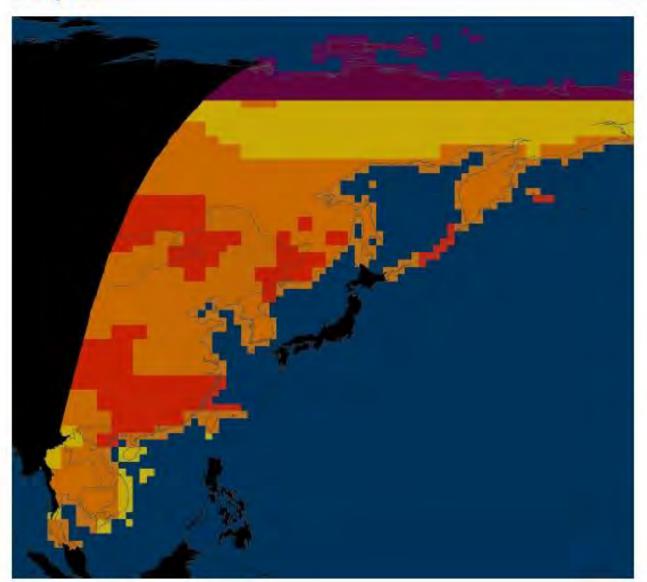
March





DigitalGlobe

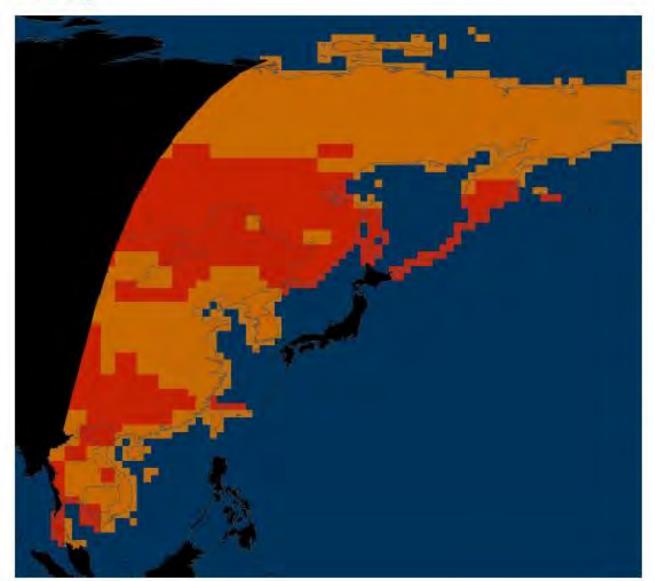
April







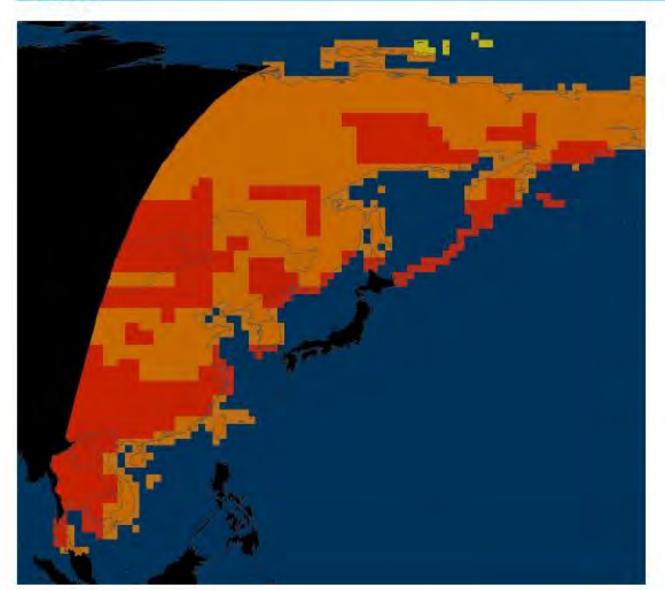
May







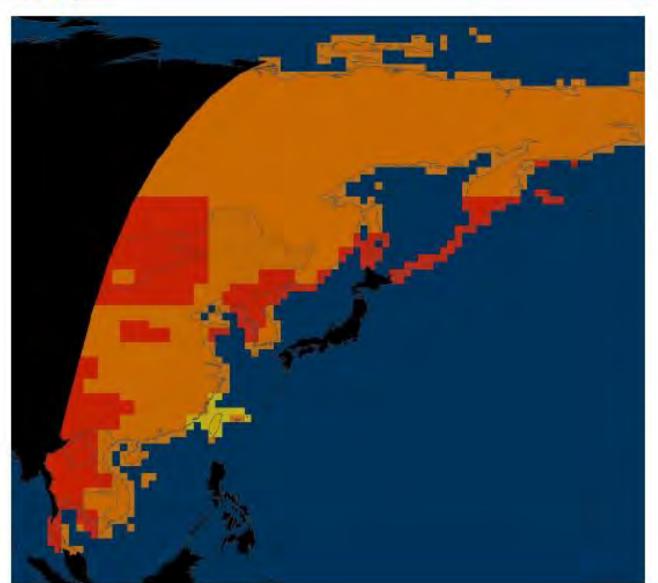
June





Digital Globe

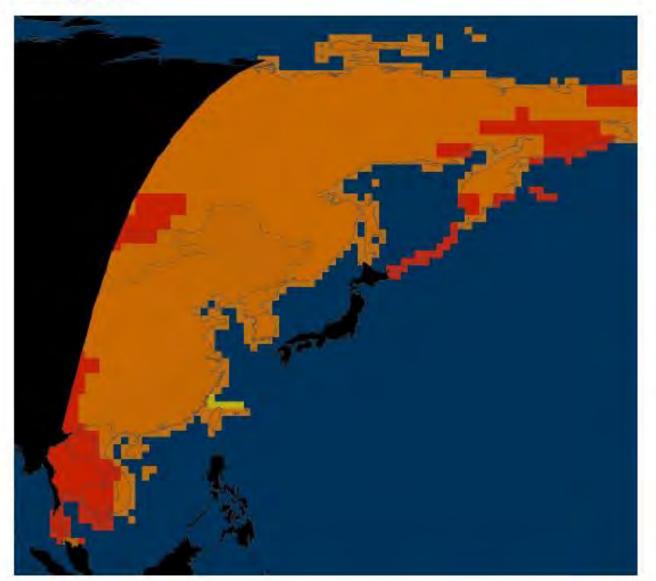
July







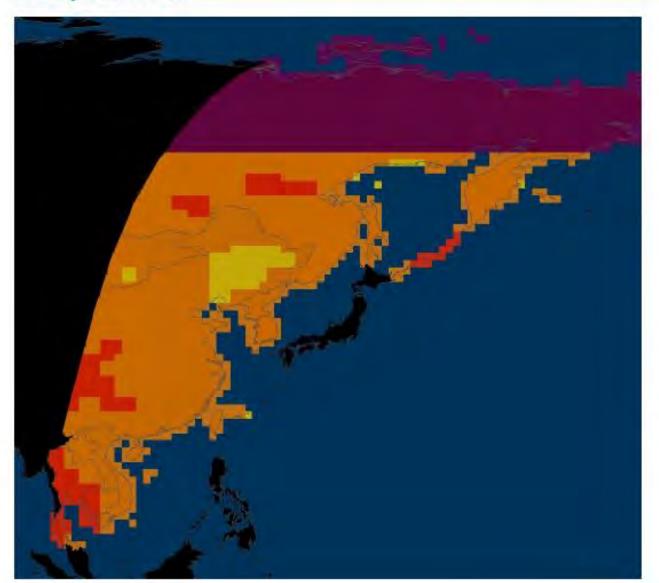
August







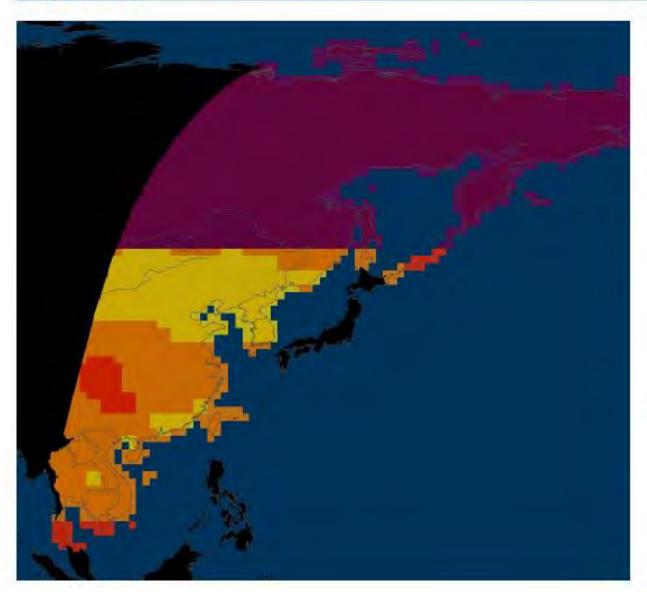
September





DigitalGlobe

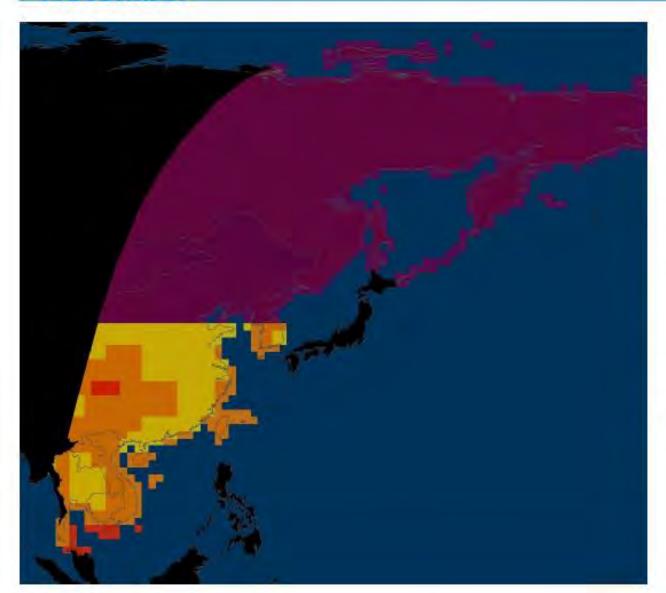
October







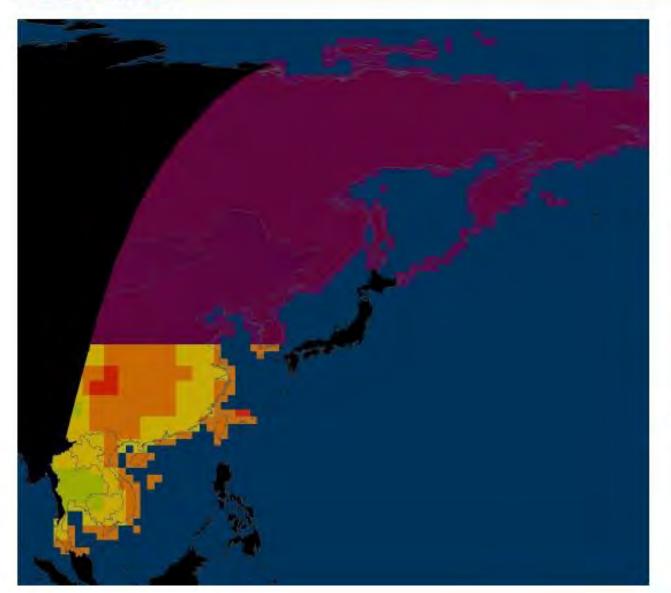
November





DigitalGlobe

December





The Content Plan Refresh Rate



Country

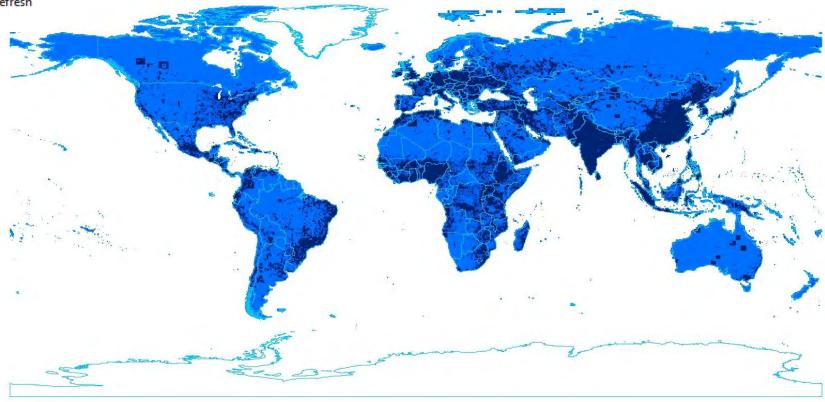
1Year Refresh



2 Year Refresh



3 Year Refresh



DigitalGlobe Content Plan – 6 Ways You Can Benefit



 Predictability: Plan for future projects

 Timing: Prepare your data according to image availability

Repeat Collections: Implement change detection

 Quality: Highest resolution, best accuracy, most spectral bands

 Budgeting: Secure resources to optimize operations

Dynamic Updates: You have a voice.
 Imagery not available? Request tasking