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GOES R REQ ID #	Observational Requirement	User & Priority (LO-#)**	LEVEL	Geo-graphic Coverage (G, H, C, M) Note 2	Vertical Res.	Horizontal Res.	Mapping Accuracy	Msmnt. Range	Msmnt. Accuracy	Refresh Rate	Data Latency	Long-term Stability
3.4.12.1	Fire / Hot Spot Imagery: CONUS	GOES R	T	C	n/a	2 km	1.0 km	275 - 400 K	2.0 K	5 min	5 min	tbd
			O	C	n/a	0.25 km	0.2 km	275 - 700 K	0.1 K	1 min	1 min	tbd
3.4.12.2	Fire / Hot Spot Imagery: Hemispheric	GOES R	T	FD	n/a	2 km	1.0 km	275 - 400 K	2.0 K	15 min	5 min	tbs
			O	H	n/a	0.25 km	0.2 km	275 - 700 K	0.1 K	5 min	1 min	tbs
3.4.12.3	Flood/Standing Water: Hemispheric	GOES R	T	FD	5 cm	10 km	5 km	0 to 100%	n/a	60 min	6 hr	tbs
			O	H	2 cm	1 km	0.5 km	0 to 100%	n/a	60 min	3 hr	tbs
3.4.12.4	Flood/Standing Water: Mesoscale	GOES R	T	M	5 cm	10 km	5 km	0 to 100%	n/a	60 min	6 hr	tbd
			O	M	2 cm	1 km	0.5 km	0 to 100%	n/a	tbd	tbd	tbd
3.4.12.5	Ice Cover/ Landlocked: Hemispheric	GOES R	T	FD	n/a	tbd	tbd	Tbd	tbd	tbd	tbd	tbd
			O	H	n/a	10 km	5 km	Tbd	tbd	180 min	60 min	tbd
3.4.12.6	Land Surface (Skin) Temperature: CONUS	GOES R	T	C	n/a	2 km	1 km	233 - 333 K	1.0 K	60 min	60 min	tbd
			O	C	n/a	2 km	0.5 km	213 - 343 K	0.3 K	15 min	15 min	tbd
3.4.12.7	Land Surface (Skin) Temperature: Hemispheric	GOES R	T	FD	n/a	10 km	5 km	230 - 330 K	1.0 K	60 min	3 min	tbd
			O	H	n/a	1 km	0.5 km	183 - 343 K	0.3 K	15 min	1 min	tbd
3.4.12.8	Land Surface (Skin) Temperature: Mesoscale	GOES R	T	M	n/a	2 km	1 km	213 - 333 K	1 K	60 min	3 min	tbd
			O	M	n/a	2 km	0.5 km	213 - 343 K	0.3 K	15 min	1 min	tbd

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3.4.12.9	Snow Cover: CONUS	GOES R	T	C	n/a	2 km	1.0 km	Binary yes/no detection	Binary yes/no detection	60 min	60 min	tbd
			O	C	n/a	0.5 km	0.2 km	0.0 - 1.0 fractional cover	0.2 fraction	30 min	30 min	tbd
3.4.12.10	Snow Cover: Hemispheric	GOES R	T	FD	n/a	2 km	1.0 km	Binary yes/no detection	Binary yes/no detection	60 min	60 min	tbd
			O	H	n/a	0.5 km	0.2 km	0.0 - 1.0 fractional cover	0.2 fraction	30 min	30 min	tbd
3.4.12.11	Snow Cover: Mesoscale	GOES R	T	M	tbd	2 km	1 km	Binary yes/no	yes/no detection	60 min	60 min	tbd
			O	M	n/a	1 km	1 km	0-90 cm	+/- 2.5 cm	tbd	60 min	tbd
3.4.12.12	Snow Depth: CONUS	GOES R	T	C; Plains Only	n/a	2 km	1 km	tbd	tbd	60 min	60 min	tbd
			O	H	n/a	0.5 km	0.2 km	0-20 m	0.5 cm	30 min	30 min	tbd
3.4.12.13	Snow Depth: Hemispheric	GOES R	T	FD; Plains Only	n/a	2 km	1 km	tbd	tbd	60 min	60 min	tbd
			O	H	n/a	0.5 km	0.2 km	0-20 m	0.5 cm	30 min	30 min	tbd
3.4.12.14	Snow Depth: Mesoscale	GOES R	T	M; Plains Only	n/a	2 km	1 km	Tbd	tbd	tbd	tbd	tbd
			O	M*	n/a	1 km	1 km	0-90 cm	+/- 2.5 cm	180 min	30 min	tbd
3.4.12.15	Surface Albedo: Hemispheric	GOES R	T	FD	n/a	tbd	tbd	0 - 1 Albedo Units	tbd	tbd	tbd	tbd
			O	H	n/a	0.5 km	1 km	0 - 1 Albedo Units	+/- 1.25 %	60 min	60 min	tbd
3.4.12.16	Surface Emissivity	GOES R	T	C	n/a	10 km	5 km	0.85 - 1.0 (unitless)	0.05	60 min	60 min	tbd
			O	C	n/a	2 km	0.5 km	0.70 - 1.0 (unitless)	0.02	15 min	15 min	tbd
3.4.12.17	Vegetation Fraction: Green	GOES R	T	C	n/a	2 km	1 km	0.0 - 1.0 (unitless)	0.05	60 min	60 min	tbd
			O	C	n/a	2 km	0.5 km	0.0 - 1.0 (unitless)	0.02	30 min	30 min	tbd
3.4.12.18	Vegetation Index: CONUS	GOES R	T	C	n/a	2 km	1 km	0 - 1 (NDVI)	0.04 NDVI	60 min	60 min	tbd

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								units)	Units			
			O	C	n/a	2 km	0.2 km	0 - 1 (NDVI units)	0.2 NDVI Units	30 min	30 min	tbd