GOES R REQ ID #	Observational Requirement	User & Priority (LO-#)**	LEVEL	Geo Cov (G,H,C,M) / Conditions	Vertical Res.	Horizontal Res.	Mapping Accuracy	Msmnt. Range	Msmnt. Accuracy	Refresh Rate/ Coverage Time	Data Latency	Long-term Stability
3.4.4 AEROSOLS												
GOES R P3I (3.5.1.1)	Aerosol Particle Size: Global	GOES R P3I	T	G	Sfc-4.5km: 150 m > 4.5 km: 300 m	10 km	TBS	0-30 km	Sfc-4.5km: ± 0.5 >4.5 km: ±1.0	60 min	15 min	TBS
			O	G	TBS	TBS	TBS	TBS	greater of 0.1 or 10% / 0.1	TBS	TBS	greater of 0.05 or 5% / 0.05
GOES R P3I (3.5.1.2)	Suspended Matter: Global	GOES R P3I	T	G	Total Column	2 km	0.5 km	TBS	TBS	15 min	3 min	TBS
			O	G	Total Column	0.5 km	0.2 km	TBS	Troposphere / Stratosphere: 0.01 / 0.01	5 min	1 min	Troposphere / Stratosphere: 0.005 / 0.005
3.4.5	CLOUDS											
GOES R P3I (3.5.2.1)	Cloud Base Height: Global	GOES R P3I	T	G	0.5 km	2 km	0.5 km	0 - 15 km	0.1 km	15 min	1 min	TBS
			O	G	0.5 km	1 km	0.2 km	0 - 30 km	0.1 km	5 min	1 min	0.1 km
GOES R P3I (3.5.2.2)	Cloud Ice Water Path: Global	GOES R P3I	T	G	SFC - 20 km	2 km	0.5 km	0 - 1 mm	Greater of 0.1 mm or 25%	15 min	1 min	15 min
			O	G	SFC - 20 km	0.5 km	0.2 km	0 - 2 mm	Greater of 0.05 mm or 10%	15 min	1 min	15 min
GOES R P3I (3.5.2.3)	Cloud Layers/ Heights and Thickness: Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	TBS	15 min	TBS	TBS
GOES R P3I (3.5.2.4)	Cloud Liquid Water: Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	0.025 mm	15 min	TBS	0.005 mm
GOES R P3I (3.5.2.5)	Cloud & Moisture Imagery: Global	GOES R P3I	T	G	n/a	0.5 km	0.5 km	TBS	TBS	15 min	1 min	TBS
			O	G	n/a	0.2 km	0.2 km	TBS	0.01 (Cloud Fraction)	15 min	1 min	0.003 (Cloud Fraction)
GOES R P3I (3.5.2.6)	Cloud Optical Depth: Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	10%	15 min	TBS	2%
GOES R P3I (3.5.2.7)	Cloud Particle Size Distribution: Global	GOES R P3I	T	G	TBS	2 km	0.5 km	0 - 50 µm	1 µm	15 min	1 min	TBS
			O	G	TBS	0.5 km	0.2 km	0 - 100 µm	0.5 µm	15 min	1 min	TBS
GOES R P3I (3.5.2.8)	Cloud Top Height: Global	GOES R P3I	T	G	0.1 km	2 km	0.5 km	TBS	TBS	15 min	1 min	TBS

GOES R REQ ID #	Observational Requirement	User & Priority (LO-#)**	LEVEL	Geo Cov (G,H,C,M) / Conditions	Vertical Res.	Horizontal Res.	Mapping Accuracy	Msmnt. Range	Msmnt. Accuracy	Refresh Rate/ Coverage Time	Data Latency	Long-term Stability
			O	G	0.1 km	0.5 km	0.2 km	TBS	150 m	15 min	1 min	30 m
GOES R P3I (3.5.2.9)	**Cloud Top Phase:** Global	GOES R P3I	T	G	TBS	2 km	0.5 km	TBS	TBS	15 min	1 min	TBS
			O	G	TBS	0.5 km	0.2 km	TBS	TBS	5 min	1 min	TBS
GOES R P3I (3.5.2.10)	**Cloud Top Pressure:** Global	GOES R P3I	T	G*	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	15 hPa	15 min	TBS	3 hPa
GOES R P3I (3.5.2.11)	**Cloud Top Temperature:** Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	1 K	15 min	TBS	0.2 K
GOES R P3I (3.5.2.12)	**Cloud Type:** Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	TBS	15 min	TBS	TBS
GOES R P3I (3.5.2.13)	**Imagery: All-Wx/Day-Nite:** Global	GOES R P3I	T	G	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS
			O	G-All Wx	n/a	0.1 km	0.5 km	TBS	TBS	60 min	15 min	TBS
GOES R P3I (3.5.2.14)	**Lightning Detection:** Global	GOES R P3I	T	G	Surface to cloud top	10 km	1 km	Real time	70-90% total strikes detection ± 15 Flshs/min 20% FAR	continuous	1 min	TBS
			O	G	Surface to cloud top	1 km	100 m	Real time	99%	continuous	<10 sec	TBS
GOES R P3I (3.5.2.15)	**True Color Imagery**	GOES R P3I	T	H	TBS	2 km	0.5 km	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	0.5 km	0.2 km	TBS	TBS	5 min	TBS	TBS
GOES R P3I (3.5.2.16)	**Turbulence:** Global	GOES R P3I	T	G	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS
			O	G	60 m	10 km	5 km	0-40 m/sec	± 1 m/sec	180 min	15 min	TBS
GOES R P3I (3.5.2.17)	**Visibility:** Global	GOES R P3I	T	H	Sfc-4.5 km: 150 m > 4.5 km: 300 m	10 km	TBS	0-30 km	Sfc-15 km: ± 2% 15-60 km: ± 5%	60 min	15 min	TBS
			O	G	Sfc-4.5 km: 150 m > 4.5 km: 300 m	10 km	2 km	0-30 km	± 1 km	60 min	15 min	TBS

GOES R REQ ID #	Observational Requirement	User & Priority (LO-#)**	LEVEL	Geo Cov (G,H,C,M) / Conditions	Vertical Res.	Horizontal Res.	Mapping Accuracy	Msmnt. Range	Msmnt. Accuracy	Refresh Rate/ Coverage Time	Data Latency	Long-term Stability
3.4.6	PRECIPITATION											
GOES R P3I (3.5.3.1)	Hail Detection: CONUS	GOES R P3I	T	C	TBS	2 km	0.5 km	TBS	TBS	5 min	1 min	TBS
			O	H	TBS	1 km	0.2 km	TBS	TBS	1 min	1 min	TBS
GOES R P3I (3.5.3.2)	Hail Detection: Hemispheric	GOES R P3I	T	H	TBS	10 km	TBS	0-1	10%	15 min	TBS	TBS
			O	G	TBS	1 km	TBS	TBS	TBS	1 min	TBS	TBS
GOES R P3I (3.5.3.3)	Hail Detection: Mesoscale	GOES R P3I	T	M	TBS	0.5 km	0.2 km	0-1	10%	5 min	5 min	TBS
			O	M	TBS	0.5 km	0.2 km	0-1	10%	1 min	5 min	TBS
GOES R P3I (3.5.3.4)	Precipitation Type/Rate: CONUS	GOES R P3I	T	C	TBS	10 km	5 km	0-100 mm/hr	1 mm/hr	30 min	3 min	TBS
			O	C	TBS	2 km	1 km	0-100 mm/hr	1 mm/hr	15 min	1 min	TBS
GOES R P3I (3.5.3.5)	Precipitation Type/Rate: Global	GOES R P3I	T	G	TBS	0.5 km	5 km	0-100 mm/hr	1mm/hr	5 min	15 min	TBS
			O	G	TBS	0.5 km	1 km	0-100 mm/hr	0.125 mm/hr	5 min	1 min	0.003 mm/hr
GOES R P3I (3.5.3.6)	Precipitation Type/Rate: Hemispheric	GOES R P3I	T	H	TBS	0.5 km	5 km	0-100 mm/hr	1mm/hr	5 min	15 min	TBS
			O	H	TBS	0.5 km	1 km	0 - 50 mm / 15 min	0.125 mm/hr	7.5 min	1 min	0.003 mm/hr
GOES R P3I (3.5.3.7)	Precipitation Type/Rate: Mesoscale	GOES R P3I	T	M	TBS	10 km	5 km	0-100 mm/hr	1mm/hr	60 min	15 min	TBS
			O	M	TBS	0.5 km	0.2 km	0-100 mm/hr	1 mm/hr	1 min	1 min	TBS
3.4.7	PROFILES											
GOES R P3I (3.5.4.1)	Atmospheric Vertical Moisture Profile: CONUS	GOES R P3I	T	C - All Wx	Sfc-500 mb: 500 m 500-300 mb:2 km 300-100 mb: 2 km	10 km	2 km	0 - 100 %	Sfc-500 mb 10 % 500-300 mb 10% 300-100 mb 20%	60 min	15 min	TBS
			O	H - All Wx	Sfc-500 mb: 300 m 500-300 mb: 1 km 300-100 mb: 1 km	1 km	0.2 km	0 - 100 %	Sfc-500 mb 1% 500-300 mb 1% 300-100 mb 5%	5 min	1 min	TBS
GOES R P3I (3.5.4.2)	Atmospheric Vertical Moisture Profile: Global	GOES R P3I	T	G - All Wx*	Sfc-500 mb: 500 m 500-300 mb:2 km 300-100 mb: 2 km	4 km	2 km	0 - 100 %	Sfc-500 mb: 10 % 500-300 mb: 10% 300-100 mb: 20%	60 min	15 min	TBS

GOES R REQ ID #	Observational Requirement	User & Priority (LO-#)**	LEVEL	Geo Cov (G,H,C,M) / Conditions	Vertical Res.	Horizontal Res.	Mapping Accuracy	Msmnt. Range	Msmnt. Accuracy	Refresh Rate/ Coverage Time	Data Latency	Long-term Stability
			O	G - All Wx	Sfc-500 mb: 300 m 500-300 mb: 1 km 300-100 mb: 1 km	2 km	0.5 km	0 - 100 %	Sfc-500 mb: 5% 500-300 mb: 5% 300-100 mb: 10%	15 min	1 min	0.2 K
GOES R P3I (3.5.4.3)	Atmospheric Vertical Moisture Profile: Hemispheric	GOES R P3I	T	H - All Wx	Sfc-500 mb: 500 m 500-300 mb:2 km 300-100 mb: 2 km	4 km	2 km	0 - 100 %	Sfc-500 mb: 10 % 500-300 mb: 10% 300-100 mb: 20%	60 min	3 min	TBS
			O	H - All Wx	Sfc-500 mb: 300 m 500-300 mb: 1 km 300-100 mb: 1 km	2 km	0.5 km	0 - 100 %	Sfc-500 mb: 5% 500-300 mb: 5% 300-100 mb: 10%	15 min	1 min	0.2 K
GOES R P3I (3.5.4.4)	Atmospheric Vertical Moisture Profile: Mesoscale	GOES R P3I	T	M - All Wx	Surface - 100 mb: 2km	4 km	2 km	0-40 g/kg	Sfc-500 mb: 10 % 500-300 mb: 10% 300-100 mb: 20%	60 min	15 min	TBS
			O	M - All Wx	Sfc-500 mb: 300 500-300 mb: 1 km 300-100 mb: 1 km	2 km	0.5 km	0-40 g/kg	5%	15 min	15 min	TBS
GOES R P3I (3.5.4.5)	Atmospheric Vertical Temperature Profile: CONUS	GOES R P3I	T	C - All Wx	Sfc-500 mb: 500 m 500-300 mb: 2 km 300-100 mb: 2 km 100 mb +: 3 km	10 km	2 km	210-320 K	± 1 K/km	60 min	3 min	TBS
			O	C - All Wx	Sfc-500 mb: 300 m 500-300 mb: 1 km 300-100 mb: 1 km 100 mb +: 2 km	1 km	0.2 km	180-325 K	± 0.5 K/km	5 min	1 min	TBS
GOES R P3I (3.5.4.6)	Atmospheric Vertical Temperature Profile: Global	GOES R P3I	T	G - *All Wx*	Sfc-500 mb: 500 m 500-300 mb: 2 km 300-100 mb: 2 km 100 mb +: 3 km	10 km	5 km	210-314 K	1 K	60 min	3 min	TBS
			O	G - *All Wx*	Sfc-500 mb: 300 m 500-300 mb: 1 km 300-100 mb: 1 km 100 mb +: 2 km	2 km	0.5 km	210-320 K	0.5 K	15 min	1 min	Troposphere 0.04 K Stratosphere 0.08 K
GOES R P3I (3.5.4.7)	Atmospheric Vertical Temperature Profile: Hemispheric	GOES R P3I	T	H - All Wx	Sfc-500 mb: 500 m 500-300 mb: 2 km 300-100 mb: 2 km 100 mb +: 3 km	10 km	2 km	210-320 K	± 1K/km	60 min	3 min	TBS
			O	H -All Wx	Sfc-500 mb: 300 m 500-300 mb: 1 km 300-100 mb: 1 km 100 mb +: 2 km	2 km	0.5 km	210-320 K	± 0.5K/km	15 min	1 min	Troposphere 0.04 K Stratosphere 0.08 K
GOES R P3I (3.5.4.8)	Atmospheric Vertical Temperature Profile: Mesoscale	GOES R P3I	T	M / All Wx	Sfc-500 mb: 500 m 500-300 mb: 2 km 300-100 mb: 2 km 100 mb +: 3 km	10 km	2 km	210-320 K	± 1K/km	60 min	15 min	TBS
			O	M / All Wx	Sfc-500 mb: 300 m 500-300 mb: 1 km 300-100 mb: 1 km 100 mb +: 2 km	2 km	0.5 km	190-320 K	± 0.5K/km	5 min	1 min	TBS
GOES R P3I (3.5.4.9)	Capping Inversion Information: CONUS	GOES R P3I	T	C / All Wx	Sfc-500 mb: 500 m	10 km	2 km	T:210-300K Td:210-300K Hgt: Sfc-650mb	T: 10K Td: 10K Hgt:150-250mb	15 min	3 min	TBS

GOES R REQ ID #	Observational Requirement	User & Priority (LO-#)**	LEVEL	Geo Cov (G,H,C,M) / Conditions	Vertical Res.	Horizontal Res.	Mapping Accuracy	Msmnt. Range	Msmnt. Accuracy	Refresh Rate/ Coverage Time	Data Latency	Long-term Stability
			O	C / All Wx	Sfc-500 mb: 300 m	2 km	0.5 km	T:210-300K Td:210-300K Hgt: Sfc-650mb	T: 10K Td: 10K Hgt: 150-250mb	5 min	1 min	TBS
GOES R P3I (3.5.4.10)	**Capping Inversion Information:** Mesoscale	GOES R P3I	T	M / All Wx	sfc-500 mb	2 km	0.5 km	0-20 K (delta T & Td)	0.5 K	15 min	15 min	TBS
			O	M / All Wx	sfc-500 mb	2 km	0.5 km	0-20 K (delta T & Td)	0.5 K	5 min	15 min	TBS
GOES R P3I (3.5.4.11)	**Moisture Flux:** CONUS	GOES R P3I	T	C -All Wx	3 km	4 km	1 km	0 - 20 g/kg/h	10%	60 min	3 min	TBS
			O	H - All Wx	1 km	2 km	0.5 km	0 - 20 g/kg/h	5%	15 min	1 min	TBS
GOES R P3I (3.5.4.12)	**Moisture Flux:** Global	GOES R P3I	T	G -All Wx*	3 km	4 km	1 km	0 - 20 g/kg/h	10%	60 min	3 min	TBS
			O	G - All Wx	1 km	2 km	0.5 km	0 - 20 g/kg/h	5%	15 min	1 min	TBS
GOES R P3I (3.5.4.13)	**Moisture Flux:** Hemispheric	GOES R P3I	T	H -All Wx	3 km	4 km	1 km	0 - 20 g/kg/h	10%	60 min	3 min	TBS
			O	H - All Wx	1 km	2 km	0.5 km	0 - 20 g/kg/h	5%	15 min	1 min	TBS
GOES R P3I (3.5.4.14)	**Moisture Flux:** Mesoscale	GOES R P3I	T	M - All Wx	3 km	4 km	1 km	0-20 g/kg/h	10%	60 min	15 min	TBS
			O	M - All Wx	1 km	2 km	0.5 km	0-20 g/kg/h	5%	5 min	1 min	TBS
GOES R P3I (3.5.4.15)	**Pressure Profile:** Global	GOES R P3I	T	G	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS
			O	G	0.25 km	5 km	1 km	0-1050 mb	0.50%	60 min	15 min	TBS
GOES R P3I (3.5.4.16)	**Total Precipitable Water:** Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	TBS	15 min	TBS	TBS
GOES R P3I (3.5.4.17)	**Total Water Content:** Global	GOES R P3I	T	G - *All Wx*	Sfc - TOA	0.5 km	0.5 km	0 - 100 mm	1 mm	15 min	1 min	TBS
			O	G - *All Wx*	Sfc - TOA	0.2 km	0.2 km	0 - 100 mm	1 mm	15 min	1 min	TBS
GOES R P3I (3.5.4.18)	**Total Water Content:** Hemispheric	GOES R P3I	T	H - All Wx	Sfc - TOA	2 km	1 km	0 - 100 mm	1 mm	60 min	15 min	TBS
			O	H - All Wx	Sfc - TOA	0.5 km	0.2 km	0 - 100 mm	1 mm	15 min	1 min	TBS

GOES R REQ ID #	Observational Requirement	User & Priority (LO-#)**	LEVEL	Geo Cov (G,H,C,M) / Conditions	Vertical Res.	Horizontal Res.	Mapping Accuracy	Msmnt. Range	Msmnt. Accuracy	Refresh Rate/ Coverage Time	Data Latency	Long-term Stability
GOES R P3I (3.5.4.19)	**Total Water Content:** Mesoscale	GOES R P3I	T	M - All Wx	Sfc - TOA	2 km	1 km	0-100 mm	1 mm	60 min	15 min	TBS
			O	M - All Wx	Sfc - TOA	0.5 km	0.2 km	0-100 mm	1 mm	1 min	5 min	TBS
GOES R P3I (3.5.4.20)	**Tropical Cyclone Inner Core Temperature Structure**	GOES R P3I	T	M	SFC - 100 mb+	10 km	2 km	210-300 K	± 1 K/km	60 min	3 min	TBS
			O	H	TBS	2 km	0.5 km	TBS	± 0.5 K/km	15 min	1 min	TBS
3.4.8	RADIANCES											
GOES R P3I (3.5.5.1)	**Radiances:** Global	GOES R P3I	T	G	1-2.5 cm-1	10 km	2.5 km	180K-330K (VIS, IR & MW)	TBS	60 min	60 min	TBS
			O	G	0.6-1cm-1	4 km	1 km	180K-330K (VIS, IR & MW)	0.1 K	15 min	15 min	0.04 K
GOES R P3I (3.5.5.2)	**Radiances:** Mesoscale	GOES R P3I	T	M	1-2.5 cm^{-1}	*0.5 km*	*0.2 km*	180K-330K (VIS, IR & MW)	*TBS*	*60 min*	*30 min*	TBS
			O	M	0.6-1cm^{-1}	*0.5 km*	*0.2 km*	180K-330K (VIS, IR & MW)	*TBS*	*10 min*	*5 min*	TBS
3.4.9	RADIATION											
GOES R P3I (3.5.6.1)	**Absorbed Shortwave Radiation:** Surface/ Global	GOES R P3I	T	G / Tropics	n/a	50 km	< 5 km	0 - 700 W/m^2	7 W/m^2	60 min	60 min	TBS
			O	G / Tropics	n/a	10 km	< 1 km	0 - 700 W/m2	5 W/m2	15 min	5 min	TBS
GOES R P3I (3.5.6.2)	**Absorbed Shortwave Radiation:** Surface/ Hemispheric	GOES R P3I	T	H / Tropics*	n/a	50 km	< 5 km	0 - 700 W/m^2	7 W/m^2	60 min	60 min	TBS
			O	H / Tropics	n/a	10 km	< 1 km	0 - 700 W/m2	5 W/m2	15 min	5 min	TBS
GOES R P3I (3.5.6.3)	**Downward Longwave Radiation:** Surface/Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	1 W/m2	15 min	TBS	0.2 W/m2
GOES R P3I (3.5.6.4)	**Downward Solar Insolation:** Surface/ Global	GOES R P3I	T	G / Tropics	n/a	50 km	TBS	TBS	TBS	60 min	60 min	TBS
			O	G / Tropics	n/a	10 km	TBS	TBS	1 W/m2	15 min	5 min	0.3 W/m2
GOES R P3I (3.5.6.5)	**Reflected Solar Insolation:** TOA / Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	1 W/m2	15 min	TBS	0.3 W/m2
GOES R P3I (3.5.6.6)	**Upward Longwave Radiation:** Surface/Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	1 W/m2	15 min	TBS	0.2 W/m2

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GOES R P3I (3.5.6.7)	**Upward Longwave Radiation:** TOA/ Global	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	1 W/m2	15 min	TBS	0.2 W/m2
3.4.10	TRACE GASES											
GOES R P3I (3.5.7.1)	CH_4 Concentration	GOES R P3I	T	H	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS
			O	H	total	50 km	TBS	TBS	+/ - 5%	60 min	TBS	TBS
GOES R P3I (3.5.7.2)	CO_2 Concentration	GOES R P3I	T	G	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	total	25 km	TBS	TBS	10 ppmv	15 min	TBS	1 ppmv
GOES R P3I (3.5.7.3)	**Ozone Layers:** CONUS *and Hemis*	GOES R P3I	T	C	TBS	10 km	1 km	TBS	TBS	30 min	10 min	TBS
			O	H	TBS	5 km	500 m	TBS	TBS	10 min	1 min	TBS
GOES R P3I (3.5.7.4)	**Ozone Layers:** Global	GOES R P3I	T	G	10 km	250 km	TBS	TBS	20%	12 hr	4 hr	TBS
			O	G	1 km	15 km	TBS	TBS	5%	60 min	60 min	TBS
GOES R P3I (3.5.7.5)	**Ozone Total:** Global	GOES R P3I	T	G	TBS	250 km	TBS	TBS	20 DU	12 hr	4 hr	TBS
			O	G	TBS	15 km	TBS	TBS	5 DU	60 min	60 min	TBS
3.4.11	WINDS											
GOES R P3I (3.5.8.1)	**Derived Motion Winds:** Global	GOES R P3I	T	G*	TBS	100 km	TBS	TBS	TBS	60 min	TBS	TBS
			O	G	TBS	25 km	TBS	TBS	TBS	15 min	TBS	TBS

GOES R REQ ID #	Observational Requirement	User & Priority (LO-#)**	LEVEL	Geo Cov (G,H,C,M) / Conditions	Vertical Res.	Horizontal Res.	Mapping Accuracy	Msmnt. Range	Msmnt. Accuracy	Refresh Rate/ Coverage Time	Data Latency	Long-term Stability

Note 1: For Priority Categories use:
"1" = Mission Critical / Cannot meet operational mission objectives without this data
"2" = Mission Optimal / Data not critical but would provide significant improvement to operational capability
"3" = Mission Enhancing / Needed to enhance state of knowledge / assess potential for operational capability
"UA" = Unassigned

Note 2: For Geographic Coverage use:
"C" = CONUS Coverage / Contiguous US / 3000 km N/S x approx 5000 km E/W Target Area (4000km northern boundary, 6000 km southern boundary) centered at 38.2 N Lat / 96 W Lon
"FD" = Full Disk Coverage / A region defined as the combined earth area viewed from the nominal GOES R system longitudinal positions
"G" = Global Coverage / Self-explanatory
"H" = Hemispheric Coverage / West Boundary of 150 deg E and an East Boundary of 0 deg Meridian
"M" = Mesoscale "Non-Routine" Coverage / 1000 km N/S x 1000 km E/W Relocatable Target Area within Hemispheric Coverage Area requested on an as needed basis

Note 3:
Underline = Threshold not expceted to be fully addressed
***** **=** Requirement also carried in P3I section for further study