Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
ACRIM	FOO	Irradiance, Solar, Total	2274	ACR01			0.1% :: 0.0005%	1/(2 min)	N/A :: N/A	N/A :: TOA
					Cihlar	2274				
					Hansen	IDS-2272	0.05% ::	1/wk	500 km :: G	:: TOA
AIRS	PM	Level-1B Radiance, AIRS	2347	AIR02			0.2dg NEdT :: 0.2dg NEdT	2/day [d,n]	15 x 15 km :: G	N/A :: N/A
					Schoeberl	IDS-2374	1%(~1K) :: 0.5%	1/day	100 km :: G	1.5 km :: Strat
AIRS	PM	CH4 Total Burden	1095	AIR03			175 ppb :: 150 ppb	2/day [d,n]	250 km :: G	N/A :: Atmos
					Hansen	IDS-1076		1/wk	500 km :: G	:: Trop
					Hansen	IDS-1075	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
AIRS	PM	CO Total Burden	1136	AIR03			20 :: 15	2/day [d,n]	250 x 250 km :: G	N/A :: Atmos
					Hansen	IDS-1117	0.10% ::	1/wk	500 km ::	:: Trop
					Moore	IDS-1118	25% :: 10%	1/day	100 km :: G	:: Trop
AIRS	PM	Cloud Height, Top	1423	AIR04			0.5 km :: 0.25 km	2/day [d,n]	50 x 50 km :: G	N/A :: Cloud
					Barron	IDS-1412	100 m :: 25 m	1/day	100 km :: G	100 m :: Cloud
					Hansen	IDS-1399	50 m ::	1/wk	500 km :: G	:: Cloud
					Harris	IDS-3437	0.5 :: 0.3	2/day	20-50 km :: Ocean/R	
					Murakami	IDS-1418	1 km ::			:: Cloud
					Rothrock	IDS-1419	0.2km :: 0.2km	1/day	100 km :: Polar	:: Cloud
AIRS	PM	Cloud Ice Index	1893	AIR04			TBD :: TBD	2/day [d,n]	50 x 50 km :: G	N/A :: Cloud
					Hartmann	IDS-1785	0.02 :: 0.02	1/day	10 km :: Ocean	N/A :: Cloud
AIRS	PM	Cloud Liq_water Content	1908	AIR04			0.1 :: 0.1	2/day [d,n]	50 x 50 km :: G	N/A :: Cloud
					Barron	IDS-1902	0.1 :: 0.05	1/day	100 km :: G	1 km :: Cloud
					Hartmann	IDS-1919	0.05 :: 0.05	1/day	10 km :: Ocean	Column :: Trop
					Kerr, Sorooshian	IDS-1905			30 m :: Land/R	:: Cloud
					Sellers	IDS-1921				
AIRS	PM	Cloud Cover	2062	AIR04			0.05 :: 0.025	2/day [d,n]	50 x 50 km :: G	N/A :: Cloud
					Barron	IDS-2049	5 :: 5	1/day	100 km :: G	N/A :: Cloud
					Hansen	IDS-2052	3% ::	1/wk	500 km :: G	:: Cloud
					Harris	IDS-3436	5-10% :: 2-5%	2/day	5-50 km :: Ocean/R	
					Liu	IDS-2055			:: Ocean	N/A :: Cloud
					Murakami	IDS-2058	10% ::			N/A :: Cloud
					Rothrock	IDS-2076	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
					Sellers	IDS-2059		4/day	100 km ::	0.5 km :: Trop
					Simard	IDS-2056	5% ::		:: Canada/R	N/A :: Cloud
					Srokosz	IDS-2060	5% :: 1%	2/day	10 km :: Ocean [South Atlan]	N/A :: Cloud
AIRS	PM	Cloud Emissivity, IR Spectral (3-14um)	2128	AIR04			0.05 :: 0.025	2/day [d,n]	50 x 50 km :: G	N/A :: Cloud
AIRS	PM	Cloud Emissivity, IR Spectral (3-14um)	2128	AIR04	Liu	IDS-2546			:: G	N/A :: Cloud
					Moore	IDS-2360	10% :: 10%	1/wk	1 km :: G	:: Cloud
AIRS	PM	Cloud Temperature, Top	2463	AIR04			1 K :: 0.5 K	2/day [d,n]	50 x 50 km :: G	N/A :: Cloud
					Barron	IDS-2458	2 :: 1	1/day	100 km :: G	N/A :: Cloud
					Hansen	IDS-2461	5% ::	1/wk	500 km :: G	:: Cloud
					Harris	IDS-3449	1-2 K :: 0.5-1 K	2/day-1/day	5-50 km :: Ocean/R	
					Kerr, Sorooshian	IDS-2462	5% :: 5%	1/hr	500 m :: Land/R	:: Cloud
					Sellers	IDS-2457				
AIRS	PM	TBD	TBD	AIR04						
					Dickinson	TBD				
					Wielicki	TBD				

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	Parameter Name	Parm ID	Prod ID	Investigator	Parm ID	Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
AIRS	PM	Humidity Profile	1828	AIR05			10% (goal) :: 5%	2/day [d,n]	50 x 50 km :: G	2 km :: Atmos
					Barron	IDS-1807	10% :: 5%	1/day	100 km :: G	:: Trop
					Barron	IDS-1806	10% :: 5%	1/day	10 km :: R	:: Trop
					Grose	IDS-1811	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Trop/meso
					Hansen	IDS-1812	3% ::	1/wk	500 km :: G	:: Atmos
					Hansen	IDS-1813	3% ::	1/wk	500 km :: G	:: Trop
					Harris	IDS-3438	10% :: 5%	2/day	10-50 km :: Ocean/R	1 km :: Atmos
					Hartmann	IDS-1814	10% :: 10%	1/day	10 km :: G	1 km :: 0-15 km
					Kerr, Sorooshian	IDS-1816	10% :: 10%	2/day	50 km :: Land	1 km :: Atmos
					Lau	IDS-6204				
					Liu	IDS-1817	0.5 :: 0.5	1/day	25 km :: Ocean	0.5 km :: Trop
					Mouginis-Mark	1828				
					Murakami	IDS-1818	10% ::			
					Pyle	IDS-1819	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Rothrock	IDS-1820		1/day	100 km :: Polar	:: Near_sfc
					Schoeberl	IDS-1821	10% :: 5%t,0.05s	1/day	2 x 3 dg :: G	1.5 km :: 0-Strat
					Sellers	IDS-1823	10% ::	4/day	100 km ::	0.5 km :: Trop
					Srokosz	IDS-1824	0.3g/kg :: 0.1g/kg	2/day	10 km :: Ocean [South Atlan]	
					Tapley	IDS-1825	5% ::	8/day	1 x 1 dg :: G	18 levels :: Atmos
AIRS	PM	Precipitable Water	1869	AIR05			5% :: 3%	2/day [d,n]	50 x 50 km :: G	N/A :: Atmos
					Barron	IDS-1861	3% :: 1%	1/day	100 km :: G	Column :: Trop
					Hansen	IDS-1864	3% ::	1/wk	500 km :: G	Column :: Strat
					Harris	IDS-3440	5% :: 3%	2/day	20-50 km :: Ocean/R	
					Kerr, Sorooshian	IDS-1865	10% :: 10%	2/day	50 km :: Land	Column :: Atmos
					Liu	IDS-1866	0.5 :: 0.5	1/day	25 km :: Ocean	Column :: Trop
					Moore	IDS-1974	10% :: 10%	1/wk	1 km :: G	
					Murakami	IDS-1867	20% ::			
					Richey, Batista	IDS-1810	5% :: 5%	1/day	:: R	:: Trop
					Srokosz	IDS-1868	1kg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos
AIRS	PM	Precipitation Index	1969	AIR05			2mm/day :: 1mm/day	2/day [d,n]	50 x 50 km :: G	N/A :: Trop
					Barron	IDS-1926	2 :: 1	1/day	100 km :: G	N/A :: Trop
					Barron	IDS-1927	2 :: 1	1/day	10 km :: R	N/A :: Trop
					Hansen	IDS-1930	10% ::	1/wk	500 km :: G	:: Sfc
					Harris	IDS-3441	2 :: 1	2/day	20-50 km :: Ocean/R	
					Hartmann	IDS-1931	10 :: 10	1/day	10 km :: Ocean	N/A :: Trop
					Kerr, Sorooshian	IDS-1865	10% :: 10%	2/day	50 km :: Land	Column :: Atmos
					Kerr, Sorooshian	IDS-1934	1 mm :: 1 mm	1/day	1 km :: Land/R	N/A :: Sfc
					Moore	IDS-1974	10% :: 10%	1/wk	1 km :: G	
					Murakami	IDS-1938	10% ::			
					Sellers	IDS-1939		4/day	100 km ::	
					Simard	IDS-1937	20% ::		:: Canada/R	N/A :: Trop
					Srokosz	IDS-1975	10% :: 1mm/hr	2/day	10 km :: Ocean [South Atlan]	N/A :: Trop
AIRS	PM	TBD	TBD	AIR05						
					Dickinson	TBD				

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	Parameter Name	Parm ID	Prod ID	Investigator	Parm ID	Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
AIRS	PM	Wind Speed, Sea_sfc	1718	AIR06				2/day	50 x 50 km :: Ocean	N/A :: Sfc
					Brewer	IDS-1710	15% :: 5%	1/day, 1/seas	25 km :: Ocean	N/A :: Sfc
					Hansen	IDS-1663	10% ::	1/wk	500 km :: Ocean	:: Sfc
					Harris	IDS-3435	5-10% :: 2-10%	1-10 days	1-25 km :: Ocean/R	N/A :: Sfc
					Lau	IDS-1739	0.5 m/s :: 2%	2/day	100 km :: G	N/A :: Sfc
					Liu	IDS-1713	1 :: 1	1/day	25 km :: Ocean	N/A :: Sfc
					Murakami	IDS-1744	0.01 ::		:: Ocean	N/A :: Sfc
					Rothrock	IDS-1669	2 m/s :: 2 m/s	1/day	100 km :: Polar	N/A :: Near_sfc
					Srokosz	IDS-1716	1 m/s :: 0.1 m/s	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
					Tapley	IDS-1717	1 m/s ::	8/day	1 x 1 dg :: Ocean	N/A :: Sfc
					Tapley	IDS-1745	10% ::	8/day	1 x 1 dg :: Ocean	N/A :: Sfc
AIRS	PM	Ice_Sheet Cover Index	2921	AIR06			TBD :: TBD	2/day [d,n]	50 x 50 km :: Land/Cryo	N/A :: Sfc
					Simard	IDS-2894	10 cm ::	1/yr, 1/seas	:: Canada/R	N/A :: Sfc
					Simard	IDS-2896	10 cm ::	1/yr, 1/seas	:: Canada/R	N/A :: Sfc
					Simard	IDS-3183	50 cm ::		:: Canada/R	N/A :: Sfc
AIRS	PM	Snow Cover Index	3018	AIR06			TBD :: TBD	2/day [d,n]	50 x 50 km :: Land	N/A :: Sfc
					Barron	IDS-3003	5% :: 5%	1/day	100 km :: Land	N/A :: Sfc
					Hansen	IDS-3009	0.02 ::	1/wk	500 km :: Land	:: Sfc
					Murakami	IDS-3014	10% ::		:: Land	N/A :: Sfc
					Sellers	IDS-3015		1/(1-4 day)	100 km ::	:: Sfc
					Simard	IDS-3026	10km ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
					Simard	IDS-3043			:: Canada/R	N/A :: Sfc
AIRS	PM	Sea_Ice Cover	3151	AIR06			0.1 :: 0.1	2/day [d,n]	50 x 50 km :: Ocean/Cryo	N/A :: Sfc
					Hansen	IDS-3150	3% ::	1/wk	500 km :: Ocean/Cryo	:: Sfc
					Rothrock	IDS-3188	0.03 :: 0.03	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
					Rothrock	IDS-3103	0.5 km :: 0.5 km	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
					Simard	IDS-3183	50 cm ::		:: Canada/R	N/A :: Sfc
					Simard	IDS-3196	500 m ::	1/(7 day)	500 m :: Canada/R	N/A :: Sfc
AIRS	PM	Temperature Profile	1588	AIR07			1.0 K :: 0.4 K	2/day [d,n]	50 x 50 km :: G	1 km :: Atmos
					Barron	IDS-1564	1 K :: 0.5 K	1/day	100 km :: G	1 km :: Trop
					Barron	IDS-1565	1 K :: 0.5 K	1/day	10 km :: R	1 km :: Trop
					Barron	IDS-1566	0.5 ::	1/day	100 km :: Ocean	N/A :: Sfc
					Barron	IDS-1568	0.5 ::	1/day	10 km :: Ocean/R	N/A :: Sfc
					Grose	IDS-1572	2 K :: 0.5 K	2/day	15 x 4 dg :: G	2 km :: Mid-atmos
					Hansen	IDS-1573	0.3 C ::	1/wk	500 km :: G	:: Strat
					Hansen	IDS-1574	0.3 C ::	1/wk	500 km :: G	:: Trop
					Hansen	IDS-1629	0.2 C ::	1/wk	500 km :: Land	:: Sfc
					Hansen	IDS-1630	0.2 C ::	1/wk	500 km :: Ocean	:: Sfc
					Harris	IDS-3428	1 :: 0.5	2/day	10-50 km :: Ocean/R	1 km :: Atmos
					Hartmann	IDS-1575	1 :: 1	1/day	10 km :: Ocean	1 km :: 0-15 km
					Kerr, Sorooshian	IDS-1577	1 K :: 1 K	2/day	50 km :: Land	1 km :: Atmos
					Kerr, Sorooshian	IDS-1631	1 K :: 1 K	2/day [d,n]	500 m :: Land/R	N/A :: Sfc
					Lau	IDS-1578	1 K ::	1/day	100 km :: G	1 km :: Trop
					Liu	IDS-1579	0.5 :: 0.5	1/day	25 km :: Ocean	0.5 km :: Trop
					Mouginis-Mark	1588				
					Murakami	IDS-1580	1% ::			
					Pyle	IDS-1581	2 K :: 0.5 K	2/day	15 x 4 km :: G	2 km :: Strat
					Rothrock	IDS-1627	2 K :: 2 K	1/day	100 km :: Polar	N/A :: Near_sfc
					Schimel	IDS-1632	10% :: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
					Schoeberl	IDS-1582	2 K :: 1 K	1/day	2 x 2 dg :: G	2 km :: Atmos
					Sellers	IDS-1583	1 K ::	4/day	100 km ::	0.5 km :: Trop
					Srokosz	IDS-1584	1 K :: 0.1 K	2/day	10 km :: Ocean [South Atlan]	

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
AIRS	PM	Land_sfc Temperature, Skin	2481	AIR07			1.0 K :: 0.5 K	2/day [d,n]	50 x 50 km :: Land	N/A :: Sfc
					Barron	IDS-3052	1 K ::	1/wk	100 km :: Land/Cryo	N/A :: Sfc
					Barron	IDS-3051	1 K ::	1/wk	10 km :: Land/Cryo	N/A :: Sfc
					Barron	IDS-2474	1 :: 0.5	1/day	100 km :: G	N/A :: Sfc
					Barron	IDS-2473	1 :: 0.5	1/day	10 km :: Land/R	N/A :: Sfc
					Cihlar	2481				
					Hansen	IDS-2477	0.2 C ::	1/wk	500 km :: Land	:: Sfc
					Hansen	IDS-1629	0.2 C ::	1/wk	500 km :: Land	:: Sfc
					Harris	IDS-3450	0.5 :: 0.2	2/day	20-50 km :: Ocean/R	
					Kerr, Sorooshian	IDS-2456	0.5 K :: 0.5 K	2/day [d,n]	500 m :: Land/R	:: Sfc
					Richey, Batista	IDS-2476		1/day	:: Land/R	N/A :: Sfc
					Sellers	IDS-2478	::		500 m ::	
					Simard	IDS-3313	1.3 :: 1.0 ?	2/day	10 km :: R/Canada	N/A :: Sfc
AIRS	PM	Sea_sfc Temperature (SST), Skin	2523	AIR07			0.5 K :: 0.4 K	2/day [d,n]	50 x 50 km :: Ocean	N/A :: Sfc
					Barron	IDS-2506	0.5 K ::	1/day	100 km :: Ocean	N/A :: Sfc
					Barron	IDS-2507	0.5 K ::	1/day	10 km :: Ocean/R	N/A :: Sfc
					Hansen	IDS-2512	0.2 C ::	1/wk	500 km :: Ocean	:: Sfc
					Hansen	IDS-1630	0.2 C ::	1/wk	500 km :: Ocean	:: Sfc
					Liu	IDS-2517	0.5 :: 0.5	1/wk	10 km :: G	N/A :: Sfc
					Murakami	IDS-2518	0.2 K ::		:: G	N/A :: Sfc
					Rothrock	IDS-2519	1 K :: 1 K	1/(2 day)	30 km :: G	N/A :: Sfc
					Srokosz	IDS-2520	0.3 K(IR) :: 0.1 K	2/day	.100-1 km :: Ocean [South Atlan]	N/A :: Sfc
AIRS	PM	TBD	TBD	AIR07						
					Dickinson	TBD				
AIRS	PM	O3 Total Burden	1332	AIR08			15% :: 10%	2/day [d,n]	50 x 50 km :: G	N/A :: Atmos
					Kerr, Sorooshian	IDS-1308	5% :: 5%	1/day	25 km :: G	Column :: Atmos
					Moore	IDS-1309	25% :: 10%	1/day	100 km :: G	:: Atmos
					Murakami	IDS-1331	5-10% :: 2-10%			
AIRS	PM	Radiative Flux, LW, Net Global Sfc	2176	AIR10			<15 :: TBD	2/day	50 x 50 km :: G	N/A :: Sfc
					Barron	IDS-2185	10 :: 5	1/day	100 km :: G	N/A :: Sfc
					Barron	IDS-2186	10 :: 5	1/day	30 m :: L	N/A :: Sfc
					Harris	IDS-3443	5% :: 2%	2/day	20-50 km :: Ocean/R	
					Hartmann	IDS-2188	5% :: 2%	1/day	<30 km :: Ocean	N/A :: Sfc
					Lau	IDS-2154	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
					Murakami	IDS-2183	2% ::			N/A :: Atmos
					Srokosz	IDS-2385	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
AIRS	PM	Radiative Flux, LW Spectral, Sfc	2210	AIR10			TBD :: TBD	2/day [d,n]	50 x 50 km :: G	N/A :: Sfc
					Barron	IDS-2187	10 :: 5	1/day	10 km :: R	N/A :: Sfc
					Barron	IDS-2238	10 :: 5	1/day	10 km :: R	N/A :: Sfc
AIRS	PM	Radiative Flux, SW, Net Global Sfc	2232	AIR10			<15 :: <5	1/day	50 x 50 km :: G	N/A :: Sfc
					Barron	IDS-2237	10 :: 5	1/day	100 km :: G	N/A :: Sfc
					Barron	IDS-2236	10 :: 5	1/day	30 m :: L	N/A :: Sfc
					Harris	IDS-3443	5% :: 2%	2/day	20-50 km :: Ocean/R	
					Hartmann	IDS-2214	0.5% :: 0.5%	1/day	20 km :: G	N/A :: Sfc
					Lau	IDS-2215	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
					Srokosz	IDS-2400	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
AMSU	PM	Level-1B Radiance, AMSU-A	2350	AMS02			0.2dg NEdT :: 0.2dg NEdT	2/day [d,n]	50 x 50 km :: G	N/A :: N/A
					Schoeberl	IDS-2374	1%(~1K) :: 0.5%	1/day	100 km :: G	1.5 km :: Strat
ASTER	AM-1	Calibration, Geometric	3814	AST02				TBD	N/A :: N/A	N/A :: N/A
					Dozier	3814				
ASTER	AM-1	Spectral Library	3815	AST02				N/A	N/A :: N/A	N/A :: N/A
					Dozier	3815				
ASTER	AM-1	Calibration, Radiometric	3816	AST02				TBD	N/A :: N/A	N/A :: N/A
					Dozier	3816				
ASTER	AM-1	Level-1B Radiance, ASTER, Registered, At-sensor	2452	AST03			2-4% :: 1%	1/(16 day)	15,30,90 m :: G	N/A :: at sensor
					Dozier	2452				
					Mouginis-Mark	2452				
ASTER	AM-1	TBD	TBD	AST03						
					Isacks	TBD				
					Wielicki	TBD				
ASTER	AM-1	Land_sfc Emissivity	2124	AST05			0.05-0.1 :: 0.005	1/(16 day)	90 m :: Land/R,L	N/A :: Sfc
					Kerr, Sorooshian	IDS-2123	0.05 :: 0.05	1/yr	90 m :: Land/R	N/A :: Sfc
ASTER	AM-1	TBD	TBD	AST05						
					Isacks	TBD				
ASTER	AM-1	Decorrelation Stretch…TIR	2129	AST06			N/A :: N/A	1/(16 day)	90 m :: Land/R,L	N/A :: Sfc
					Liu	IDS-2546			:: G	N/A :: Cloud
ASTER	AM-1	Land_sfc Reflectance	2433	AST07			4% :: 1%	1/(16 day)	15,30 m :: Land/R,L	N/A :: Sfc
					Dickinson	2433				
					Kerr, Sorooshian	IDS-2428	3% :: 5%	1/(2 mo)	30 m :: Land/R	:: Sfc
					Sellers	IDS-2041			250-500 m :: Land	
					Sellers	IDS-2034				
ASTER	AM-1	TBD	TBD	AST07						
					Isacks	TBD				
ASTER	AM-1	TBD	TBD	AST08						
					Isacks	TBD				
ASTER	AM-1	Elevation, Land_sfc [DEM]	2828	AST14			<50 m :: <30 m	1/(16 day)	15 m :: Land/R,L	30 m :: Sfc
					Barron	IDS-2905	30 m ::	1/(3 mo)	30 m :: Land/L	N/A :: Sfc
					Barron	IDS-2849	30 m ::	1/(3 mo)	30 m :: Land/L	N/A :: Sfc
					Kerr, Sorooshian	IDS-2826	50 m :: 50 m	1/mission	500 m :: Land	N/A :: Sfc
					Kerr, Sorooshian	IDS-2834	10 :: 10	1/yr	30 m :: Land/R	:: Sfc
					Kerr, Sorooshian	IDS-2830	10 :: 5	1/yr	30 m :: Land/R	:: Sfc
					Lau	IDS-1551	10% :: 10%	1/wk	10 km :: Land/R	N/A :: Sfc
					Moore	IDS-2827	1m ::			:: Sfc
					Mouginis-Mark	2828				
ASTER	AM-1	TBD	TBD	AST14						
					Isacks	TBD				
CERES	TRMM, AM, PM	TBD	TBD	CER01						
					Dickinson	TBD				
CERES	TRMM, AM, PM	Radiative Fluxes, SW, Net, Sfc	4030	CER02			5 W/m^2 :: 5 W/m^2	100 Hz	25 km::G	N/A :: Sfc
					Brewer	4030				
CERES	TRMM, AM, PM	Radiative Fluxes, LW, Net, Sfc	4031	CER02			5 W/m^2 :: 5 W/m^2	100 Hz	25 km::G	N/A :: Sfc
					Brewer	4031				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	TBD	TBD	CER02						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Radiative Flux, SW, Statistics, Monthly_Avg_Day	4037	CER03			10 W/m^2 :: 10 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4037				
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, Monthly_Avg_Day	4038	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4038				
CERES	TRMM, AM, PM	Albedo, Monthly_Avg_Day	4039	CER03			1% :: 1%	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4039				
					Barron	IDS-2023	3 ::	1/day	100 km :: G	N/A :: TOA
CERES	TRMM, AM, PM	Radiative Flux, Net, Monthly_Avg_Day	4040	CER03			10 W/m^2 :: 10 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4040				
CERES	TRMM, AM, PM	Solar Incidence, Monthly Total Integrated	4041	CER03				1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4041				
CERES	TRMM, AM, PM	Radiative Flux, SW, Clear_sky, Statistics, Monthly_Avg_Day	4042	CER03			10 W/m^2 :: 10 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4042				
CERES	TRMM, AM, PM	Radiative Flux, LW, Clear_sky, Statistics, Monthly_Avg_Day	4043	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4043				
CERES	TRMM, AM, PM	Albedo, Clear_sky, Monthly_Avg_Day	4044	CER03			1% :: 1%	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4044				
CERES	TRMM, AM, PM	Radiative Flux, Net, Clear_sky, Monthly_Avg_Day	4045	CER03			10 W/m^2 :: 10 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4045				
					Simard	IDS-2137	10% ::		:: Canada/R	
CERES	TRMM, AM, PM	Solar Incidence, Clear_sky, Monthly_Avg_Day	4046	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4046				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Sfc, Statistics, Monthly_Avg_Day	4047	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4047				
CERES	TRMM, AM, PM	Radiative Flux, SW, Net, Sfc, Statistics, Monthly_Avg_Day	4048	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4048				
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Sfc, Statistics, Monthly_Avg_Day	4049	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4049				
CERES	TRMM, AM, PM	Radiative Flux, LW, Net, Sfc, Statistics, Monthly_Avg_Day	4050	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4050				
CERES	TRMM, AM, PM	Water Vapor, Sfc, Statistics, Monthly_Avg_Day	4051	CER03			1-2 % :: 0.5%	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4051				
CERES	TRMM, AM, PM	Radiative Flux, SW, Statistics, Monthly_Avg_Hour	4052	CER03			10 W/m^2 :: 10 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4052				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, Monthly_Avg_Hour	4053	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4053				
CERES	TRMM, AM, PM	Albedo, Monthly_Avg_Hour	4054	CER03			1% :: 1%	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4054				
CERES	TRMM, AM, PM	Radiative Flux, Net, Monthly_Avg_Hour	4055	CER03			10 W/m^2 :: 10 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4055				
					Simard	IDS-2137	10% ::		:: Canada/R	
CERES	TRMM, AM, PM	Solar Incidence, Monthly_Avg_Hour	4056	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4056				
CERES	TRMM, AM, PM	Radiative Flux, SW, Clear_sky, Statistics, Monthly_Avg_Hour	4057	CER03			10 W/m^2 :: 10 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4057				
CERES	TRMM, AM, PM	Radiative Flux, LW, Clear_sky, Statistics, Monthly_Avg_Hour	4058	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4058				
CERES	TRMM, AM, PM	Albedo, Clear_sky, Monthly_Avg_Hour	4059	CER03			1% :: 1%	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4059				
CERES	TRMM, AM, PM	Radiative Flux, Net, Clear_sky, Monthly_Avg_Hour	4060	CER03			10 W/m^2 :: 10 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4060				
					Richey, Batista	IDS-2141		2/day	:: Land/R	
					Simard	IDS-2137	10% ::		:: Canada/R	
CERES	TRMM, AM, PM	Solar Incidence, Clear_sky, Monthly_Avg_Hour	4061	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4061				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Sfc, Statistics, Monthly_Avg_Hour	4062	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4062				
CERES	TRMM, AM, PM	Radiative Flux, SW, Net, Sfc, Statistics, Monthly_Avg_Hour	4063	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4063				
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Sfc, Statistics, Monthly_Avg_Hour	4064	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4064				
CERES	TRMM, AM, PM	Radiative Flux, LW, Net, Sfc, Statistics, Monthly_Avg_Hour	4065	CER03			5 W/m^2 :: 5 W/m^2	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4065				
CERES	TRMM, AM, PM	Water Vapor, Sfc, Statistics, Monthly_Avg_Hour	4066	CER03			1-2 % :: 0.5%	1/mon	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4066				
CERES	TRMM, AM, PM	Radiative Flux, SW, Statistics, Daily_Avg	4068	CER03			10 W/m^2 :: 10 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4068				
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, Daily_Avg	4069	CER03			5 W/m^2 :: 5 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4069				
CERES	TRMM, AM, PM	Albedo, Daily_Avg	4070	CER03			1% :: 1%	1/day	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4070				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Solar Incidence, Daily_Avg	4071	CER03			5 W/m^2 :: 5 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4071				
CERES	TRMM, AM, PM	Radiative Flux, SW, Clear_sky, Statistics, Daily_Avg	4072	CER03			10 W/m^2 :: 10 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4072				
CERES	TRMM, AM, PM	Radiative Flux, LW, Clear_sky, Statistics, Daily_Avg	4073	CER03			5 W/m^2 :: 5 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4073				
CERES	TRMM, AM, PM	Albedo, Clear_sky, Daily_Avg	4074	CER03			1% :: 1%	1/day	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4074				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Sfc, Statistics, Daily_Avg	4075	CER03			5 W/m^2 :: 5 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4075				
CERES	TRMM, AM, PM	Radiative Flux, SW, Net, Sfc, Statistics, Daily_Avg	4076	CER03			5 W/m^2 :: 5 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4076				
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Sfc, Statistics, Daily_Avg	4077	CER03			5 W/m^2 :: 5 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4077				
CERES	TRMM, AM, PM	Radiative Flux, LW, Net, Sfc, Statistics, Daily_Avg	4078	CER03			5 W/m^2 :: 5 W/m^2	1/day	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4078				
CERES	TRMM, AM, PM	Water Vapor, Sfc, Statistics, Daily_Avg	4079	CER03			1-2 % :: 0.5%	1/day	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4079				
CERES	TRMM, AM, PM	Radiative Flux, SW, Statistics, Monthly_Hourly_Avg	4080	CER03			10 W/m^2 :: 10 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4080				
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, Monthly_Hourly_Avg	4081	CER03			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4081				
CERES	TRMM, AM, PM	Albedo, Monthly_Hourly_Avg	4082	CER03			1% :: 1%	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4082				
CERES	TRMM, AM, PM	Solar Incidence, Monthly_Hourly_Avg	4083	CER03			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4083				
CERES	TRMM, AM, PM	Radiative Flux, SW, Clear_sky, Statistics, Monthly_Hourly_Avg	4084	CER03			10 W/m^2 :: 10 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4084				
CERES	TRMM, AM, PM	Radiative Flux, LW, Clear_sky, Statistics, Monthly_Hourly_Avg	4085	CER03			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4085				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Albedo, Clear_sky, Monthly_Hourly_Avg	4086	CER03			1% :: 1%	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4086				
CERES	TRMM, AM, PM	Solar Incidence, Clear_sky, Monthly_Hourly_Avg	4087	CER03			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: TOA
					Abbott	4087				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Sfc, Statistics, Monthly_Hourly_Avg	4088	CER03			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: Sfc
					Liu	IDS-2055			:: Ocean	N/A :: Cloud
					Abbott	4088				
CERES	TRMM, AM, PM	Radiative Flux, SW, Net, Sfc, Statistics, Monthly_Hourly_Avg	4089	CER03			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4089				
					Hartmann	IDS-1785	0.02 :: 0.02	1/day	10 km :: Ocean	N/A :: Cloud
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Sfc, Statistics, Monthly_Hourly_Avg	4090	CER03			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4090				
					Hartmann	IDS-1775	20% :: 20%	1/day	10 km :: G	0-15 km :: Cloud
CERES	TRMM, AM, PM	Radiative Flux, LW, Net, Sfc, Statistics, Monthly_Hourly_Avg	4091	CER03			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4091				
CERES	TRMM, AM, PM	Water Vapor, Sfc, Statistics, Monthly_Hourly_Avg	4092	CER03			1-2 % :: 0.5%	24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: Sfc
					Abbott	4092				
CERES	TRMM, AM, PM	Additional Parameters [Number of Hour Boxes, 14 Spares]	4093	CER03				24/mon [1-mon avg for each local hr of day]	2.5 x 2.5 dg :: G	N/A :: Sfc
					Hartmann	IDS-1919	0.05 :: 0.05	1/day	10 km :: Ocean	Column :: Trop
CERES	TRMM, AM, PM	Hourly Data Information	4094	CER03				1/hr	2.5 x 2.5 dg :: G	N/A :: TOA
					Hartmann	IDS-2306	25% :: 0.25	1/day	10 km :: Ocean	N/A :: Cloud
CERES	TRMM, AM, PM	Scene Fraction, Hourly	4095	CER03				1/hr	2.5 x 2.5 dg :: G	N/A :: TOA
					Kerr, Sorooshian	IDS-1385	200m :: 200m	1/hr	1 km :: Land	100 mb :: Trop
CERES	TRMM, AM, PM	Albedo Vector, Hourly	4096	CER03			1% :: 1%	1/hr	2.5 x 2.5 dg :: G	N/A :: TOA
					Kerr, Sorooshian	IDS-1417	:: 0.5 km	1/hr	1 km :: Land/R	:: Cloud
CERES	TRMM, AM, PM	Solar Incidence, Hourly	4098	CER03				1/hr	2.5 x 2.5 dg :: G	N/A :: TOA
					Srokosz	IDS-1868	1kg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos
CERES	TRMM, AM, PM	Radiative Flux, LW, Net, Sfc, Hourly	4106	CER03			5 W/m^2 :: 5 W/m^2	1/hr	2.5 x 2.5 dg :: G	N/A :: Sfc
					Hartmann	IDS-2190	5% :: 2%	1/day	<30 km :: Ocean	N/A :: TOA

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	TBD	TBD	CER03						
					Dickinson	TBD				
					Wielicki	TBD				
CERES	TRMM, AM, PM	Cloud Area Fraction, Overcast	4428	CER04				1/hr	25 km::G	N/A :: TOA
					Hansen	IDS-2052	3% ::	1/wk	500 km :: G	:: Cloud
CERES	TRMM, AM, PM	Cloud Area Fraction, Total	4429	CER04				1/hr	25 km::G	N/A :: TOA
					Barron	IDS-2049	5 :: 5	1/day	100 km :: G	N/A :: Cloud
					Barron	IDS-2050	5 :: 5	1/day	10 km :: R	N/A :: Cloud
					Hansen	IDS-2052	3% ::	1/wk	500 km :: G	:: Cloud
					Harris	IDS-3436	5-10% :: 2-5%	2/day	5-50 km :: Ocean/R	
					Murakami	IDS-2058	10% ::			N/A :: Cloud
					Simard	IDS-2056	5% ::		:: Canada/R	N/A :: Cloud
					Srokosz	IDS-2060	5% :: 1%	2/day	10 km :: Ocean [South Atlan]	N/A :: Cloud
CERES	TRMM, AM, PM	Cloud Optical Depth, Visible, Statistics, 4 Cloud Layers	4432	CER04				1/hr	25 km::G	lyr :: Cloud
					Harris	IDS-3445	10-20% :: 5-10%	2/day-1/day	5-50 km :: Ocean/R	
CERES	TRMM, AM, PM	Cloud Pressure, Top, Statistics, 4 Cloud Layers	4436	CER04			30 hPa :: 30 hPa	1/hr	25 km::G	lyr :: Cloud
					Barron	IDS-1413	100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
					Harris	IDS-3437	0.5 :: 0.3	2/day	20-50 km :: Ocean/R	
					Murakami	IDS-1418	1 km ::			:: Cloud
CERES	TRMM, AM, PM	Cloud Pressure, Effective, Statistics, 4 Cloud Layers	4437	CER04				1/hr	25 km::G	lyr :: Cloud
					Hansen	IDS-2461	5% ::	1/wk	500 km :: G	:: Cloud
CERES	TRMM, AM, PM	Cloud Pressure, Base, Statistics, 4 Cloud Layers	4440	CER04			60 hPa :: 60 hPa	1/hr	25 km::G	lyr :: Cloud
					Barron	IDS-1380	100 m :: 50 m	1/day	100 km :: G	100 m :: Cloud
					Barron	IDS-1381	100 m :: 50 m	1/day	10 km :: R	100 m :: Cloud
CERES	TRMM, AM, PM	Radiative Flux, SW, Up, Atmos layer, tuned, Clear_sky and Total_sky	4450	CER04			TBD	1/hr	25 km::G	2 levels :: Atmos (18 months after lunch) ; 18 levels :: Atmos (36 months after lunch)
					Kerr, Sorooshian	IDS-2240	15% :: 15%	[diurnal]	500 m :: Land/R	N/A :: Sfc
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Atmos layer, tuned, Clear_sky and Total_sky	4451	CER04			TBD	1/hr	25 km::G	2 levels :: Atmos (18 months after lunch) ; 18 levels :: Atmos (36 months after lunch)
					Kerr, Sorooshian	IDS-2142	1 W/m^2 :: 1 W/m^2	1/hr	8 km :: Land/R	N/A :: TOA
					Kerr, Sorooshian	IDS-2216	10% :: 10%	[diurnal]	500 m :: Land/R	:: Sfc
CERES	TRMM, AM, PM	Radiative Flux, LW, Up, Atmos layer, tuned, Clear_sky and Total_sky	4452	CER04			TBD	1/hr	25 km::G	2 levels :: Atmos (18 months after lunch) ; 18 levels :: Atmos (36 months after lunch)
					Kerr, Sorooshian	IDS-2192	15% :: 15%	[diurnal]	500 m :: Land/R	:: TOA
					Murakami	IDS-2395	10% ::			N/A :: TOA

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Atmos layer, tuned, Clear_sky and Total_sky	4453	CER04			TBD	1/hr	25 km::G	2 levels :: Atmos (18 months after lunch) ; 18 levels :: Atmos (36 months after lunch)
					Kerr, Sorooshian	IDS-2142	1 W/m^2 :: 1 W/m^2	1/hr	8 km :: Land/R	N/A :: TOA
					Kerr, Sorooshian	IDS-2163	10% :: 10%	[diurnal]	500 m :: Land/R	:: Sfc
					Sellers	IDS-2164	20% :: 20%	4/day	100 km :: Land	0.5 km ::
CERES	TRMM, AM, PM	Radiative Flux Adjustment, SW, Down, Atmos layer, Sfc & TOA, Clear_sky and Total_sky	4455	CER04				1/hr	25 km::G	N/A :: Atmos
					Kerr, Sorooshian	IDS-2142	1 W/m^2 :: 1 W/m^2	1/hr	8 km :: Land/R	N/A :: TOA
CERES	TRMM, AM, PM	Photosynthetically Active Radiation, Surface	4458	CER04			10% :: 10%	1/hr	25 km::G	N/A :: Sfc
CERES	TRMM, AM, PM	Photosynthetically Active Radiation, Surface	4458	CER04	Srokosz	IDS-2385	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
CERES	TRMM, AM, PM	TBD	TBD	CER04						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Statistics, Atmos Levels, Total_sky	4497	CER05			TBD	1/hr [avg]	1.25 x 1.25 dg :: G	2 levels :: Atmos (18 months after lunch) ; 18 levels :: Atmos (36 months after lunch)
					Sellers	IDS-2217	20% :: 20%	1/hr	100 km :: Land	
CERES	TRMM, AM, PM	Radiative Flux, SW, Up, Tuned, Statistics, Atmos Levels, Clear_sky	4516	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	lvl :: Atm
					Kerr, Sorooshian	IDS-2240	15% :: 15%	[diurnal]	500 m :: Land/R	N/A :: Sfc
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Tuned, Statistics, Atmos Levels, Clear_sky	4517	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	lvl :: Atm
					Kerr, Sorooshian	IDS-2216	10% :: 10%	[diurnal]	500 m :: Land/R	:: Sfc
CERES	TRMM, AM, PM	Cloud Area Fraction, Statistics, Overcast, Broken, Total Clouds, Four_Categories	4522	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	lyr :: cloud
					Barron	IDS-2049	5 :: 5	1/day	100 km :: G	N/A :: Cloud
					Hansen	IDS-2052	3% ::	1/wk	500 km :: G	:: Cloud
					Murakami	IDS-2058	10% ::			N/A :: Cloud
					Simard	IDS-2056	5% ::		:: Canada/R	N/A :: Cloud
CERES	TRMM, AM, PM	Cloud Altitude, Effective, Statistics, Four_Categories	4525	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	lyr :: cloud
					Hansen	IDS-1399	50 m ::	1/wk	500 km :: G	:: Cloud
CERES	TRMM, AM, PM	Cloud Pressure, Top, Statistics, Four_Categories	4526	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	lyr :: cloud
					Barron	IDS-1412	100 m :: 25 m	1/day	100 km :: G	100 m :: Cloud
					Murakami	IDS-1418	1 km ::			:: Cloud
					Rothrock	IDS-1419	0.2km :: 0.2km	1/day	100 km :: Polar	:: Cloud
CERES	TRMM, AM, PM	Cloud Pressure, Bottom, Statistics, Four_Categories	4527	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	lyr :: cloud
					Barron	IDS-1380	100 m :: 50 m	1/day	100 km :: G	100 m :: Cloud

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Cloud Liquid Water Path, Statistics, Four_Categories	4529	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	lyr :: cloud
					Sellers	IDS-1921				
CERES	TRMM, AM, PM	Cloud Optical Depth, Visible, Statistics, Four_Categories	4533	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	lyr :: cloud
					Rothrock	IDS-2544	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, Angular Model Scenes	4563	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	N/A :: TOA
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, Angular Model Scenes	4563	CER05	Murakami	IDS-2183	2% ::			N/A :: Atmos
CERES	TRMM, AM, PM	Precipitable Water, Adjusted, Statistics, Clear_sky and Total_sky	4566	CER05				1/hr [avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
CERES	TRMM, AM, PM	TBD	TBD	CER05						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Radiative Flux, LW, Net, Statistics, Sfc, Total_sky, Monthly_Avg	4938	CER06			5-10 W/m^2 :: 1-2 W/m^2	1/mon	1.25 x 1.25 dg :: G, R	N/A :: Sfc
					Barron	IDS-2185	10 :: 5	1/day	100 km :: G	N/A :: Sfc
					Srokosz	IDS-2385	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
CERES	TRMM, AM, PM	Radiative Flux, SW, Statistics, TOA, Clear_sky, Monthly_Avg	4939	CER06			2 W/m^2 :: 1 W/m^2	1/mon	1.25 x 1.25 dg :: G, R	N/A :: TOA
					Barron	IDS-2239	10 :: 5	1/day	100 km :: G	N/A :: TOA
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, Angular Model Scene, Monthly_Hourly_Avg	4982	CER06				24/mon [1-mon avg for each local hr of day]	1.25 x 1.25 dg :: G, R	N/A :: Cloud
					Richey, Batista	IDS-2141		2/day	:: Land/R	
CERES	TRMM, AM, PM	TBD	TBD	CER06						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Radiative Flux, SW, Statistics, TOA, Clear_sky and Total _sky	4582	CER07				1/(3hr) [avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
					Barron	IDS-2239	10 :: 5	1/day	100 km :: G	N/A :: TOA
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, TOA, Clear_sky and Total _sky	4583	CER07				1/(3hr) [avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
					Barron	IDS-2189	10 :: 5	1/day	100 km :: G	N/A :: TOA
CERES	TRMM, AM, PM	Cloud Liquid Water Path, Statistics, Four_Categories	4589	CER07				1/(3hr) [avg]	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Sellers	IDS-1921				
CERES	TRMM, AM, PM	Cloud Visible Optical Depth/IR Emissivity, Percentiles, Statistics, Four_Categories	4600	CER07				1/(3hr) [avg]	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Barron	IDS-2301	3% :: 3%	1/day	100 km :: Ocean	N/A :: Cloud
					Rothrock	IDS-2544	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
CERES	TRMM, AM, PM	Cloud Temperature, Effective, Weighted Avg Column	4610	CER07				1/(3hr) [avg]	1.25 x 1.25 dg :: G	N/A ::Cloud
CERES	TRMM, AM, PM	Cloud Temperature, Effective, Weighted Avg Column	4610	CER07	Hansen	IDS-2461	5% ::	1/wk	500 km :: G	:: Cloud
CERES	TRMM, AM, PM	Radiative Flux, SW, Up, Atmos. Layers, Clear_sky and Total _sky	4625	CER07			TBD	1/(3hr) [avg]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Kerr, Sorooshian	IDS-2240	15% :: 15%	[diurnal]	500 m :: Land/R	N/A :: Sfc
					Murakami	IDS-2234	2% ::			N/A :: Atmos

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Atmos. Layers, Clear_sky and Total _sky	4626	CER07			TBD	1/(3hr) [avg]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Kerr, Sorooshian	IDS-2216	10% :: 10%	[diurnal]	500 m :: Land/R	:: Sfc
					Murakami	IDS-2234	2% ::			N/A :: Atmos
					Sellers	IDS-2217	20% :: 20%	1/hr	100 km :: Land	
CERES	TRMM, AM, PM	Radiative Flux, LW, Up, Atmos. Layers, Clear_sky and Total _sky	4627	CER07			TBD	1/(3hr) [avg]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Sellers	IDS-2193	20% :: 20%	4/day	100 km :: Land	0.5 km ::
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Atmos. Layers, Clear_sky and Total _sky	4628	CER07			TBD	1/(3hr) [avg]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Kerr, Sorooshian	IDS-2163	10% :: 10%	[diurnal]	500 m :: Land/R	:: Sfc
					Sellers	IDS-2164	20% :: 20%	4/day	100 km :: Land	0.5 km ::
CERES	TRMM, AM, PM	Precipitable Water, Adjusted, Clear_Sky	4635	CER07				1/(3hr) [avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
					Barron	IDS-1861	3% :: 1%	1/day	100 km :: G	Column :: Trop
					Richey, Batista	IDS-1810	5% :: 5%	1/day	:: R	:: Trop
CERES	TRMM, AM, PM	TBD	TBD	CER07						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Cloud Class, Layer, Monthly_Avg	4655	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4655				
CERES	TRMM, AM, PM	Cloud Area Fraction, Overcast, Statistics, Four_Layers, Monthly_Avg	4656	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4656				
					Rothrock	IDS-2076	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
					Simard	IDS-2056	5% ::		:: Canada/R	N/A :: Cloud
CERES	TRMM, AM, PM	Cloud Area Fraction, Total, Statistics, Four_Layers, Monthly_Avg	4657	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4657				
					Rothrock	IDS-2076	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
					Sellers	IDS-2059		4/day	100 km ::	0.5 km :: Trop
					Simard	IDS-2056	5% ::		:: Canada/R	N/A :: Cloud
CERES	TRMM, AM, PM	Cloud Area Fraction, Broken, Statistics, Four_Layers, Monthly_Avg	4658	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4658				
					Rothrock	IDS-2076	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
					Sellers	IDS-2059		4/day	100 km ::	0.5 km :: Trop
CERES	TRMM, AM, PM	Cloud Optical Depth, Visible, Statistics, Four_Layers, Monthly_Avg	4659	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4659				
CERES	TRMM, AM, PM	Cloud Emissivity, IR, Statistics, Four_Layers, Monthly_Avg	4660	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4660				
					Moore	IDS-2360	10% :: 10%	1/wk	1 km :: G	:: Cloud

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Cloud Pressure, Top, Statistics, Four_Layers, Monthly_Avg	4663	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4663				
					Rothrock	IDS-1419	0.2km :: 0.2km	1/day	100 km :: Polar	:: Cloud
CERES	TRMM, AM, PM	Cloud Pressure, Effective, Statistics, Four_Layers, Monthly_Avg	4664	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4664				
CERES	TRMM, AM, PM	Cloud Temperature, Effective, Statistics, Four_Layers, Monthly_Avg	4665	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4665				
CERES	TRMM, AM, PM	Cloud Height, Effective, Statistics, Four_Layers, Monthly_Avg	4666	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4666				
CERES	TRMM, AM, PM	Cloud Pressure, Bottom, Statistics, Four_Layers, Monthly_Avg	4667	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4667				
CERES	TRMM, AM, PM	Cloud Temperature, Effective, Statistics Adjusted, Four_Layers, Monthly_Avg	4672	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4672				
CERES	TRMM, AM, PM	Cloud Optical Depth, Statistics Adjusted, Four_Layers, Monthly_Avg	4673	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4673				
CERES	TRMM, AM, PM	Cloud Optical Depth, Statistics Adjusted, Four_Layers, Monthly_Avg	4673	CER08	Rothrock	IDS-2544	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
CERES	TRMM, AM, PM	Cloud Fraction Area, Statistics Adjusted, Four_Layers, Monthly_Avg	4674	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4674				
CERES	TRMM, AM, PM	Cloud Emissivity, Statistics Adjusted, Four_Layers, Monthly_Avg	4675	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4675				
CERES	TRMM, AM, PM	Cloud Optical Depth/ IR Emissivity, Frequency Distribution, Visible, Statistics, Four_Categories, Monthly_Avg	4676	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Cloud
					Abbott	4676				
CERES	TRMM, AM, PM	Cloud Area Fraction, Overcast, Statistics, Weighted Avg Column, Monthly_Avg	4677	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4677				
CERES	TRMM, AM, PM	Cloud Area Fraction, Total, Statistics, Weighted Avg Column, Monthly_Avg	4678	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4678				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Cloud Area Fraction, Broken, Statistics, Weighted Avg Column, Monthly_Avg	4679	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4679				
CERES	TRMM, AM, PM	Cloud Optical Depth, Visible, Statistics, Weighted Avg Column, Monthly_Avg	4680	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4680				
CERES	TRMM, AM, PM	Cloud Emissivity, IR, Weighted Avg Column, Monthly_Avg	4681	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4681				
CERES	TRMM, AM, PM	Cloud Liquid Water Path, Statistics, Weighted Avg Column, Monthly_Avg	4682	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Sellers	IDS-1921				
CERES	TRMM, AM, PM	Cloud Pressure, Top, Statistics, Weighted Avg Column, Monthly_Avg	4684	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4684				
CERES	TRMM, AM, PM	Cloud Pressure, Effective, Statistics, Weighted Avg Column, Monthly_Avg	4685	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4685				
CERES	TRMM, AM, PM	Cloud Temperature, Effective, Statistics, Weighted Avg Column, Monthly_Avg	4686	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4686				
					Sellers	IDS-2457				
CERES	TRMM, AM, PM	Cloud Height, Effective, Statistics, Weighted Avg Column, Monthly_Avg	4687	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4687				
CERES	TRMM, AM, PM	Cloud Pressure, Bottom, Statistics, Weighted Avg Column, Monthly_Avg	4688	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4688				
CERES	TRMM, AM, PM	Cloud Phase, Particle, Statistics, Weighted Avg Column, Monthly_Avg	4691	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
CERES	TRMM, AM, PM	Cloud Temperature, Effective, Statistics Adjusted, Weighted Avg Column, Monthly_Avg	4693	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4693				
CERES	TRMM, AM, PM	Cloud Optical Depth, Statistics Adjusted, Weighted Avg Column, Monthly_Avg	4694	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4694				
CERES	TRMM, AM, PM	Cloud Fraction Area, Statistics Adjusted, Weighted Avg Column, Monthly_Avg	4695	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4695				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Cloud Emissivity, IR, Statistics Adjusted, Weighted Avg Column, Monthly_Avg	4696	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4696				
CERES	TRMM, AM, PM	Cloud Visible Optical Depth / IR Emissivity , Percentiles, Weighted Avg Column, Monthly_Avg	4697	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4697				
CERES	TRMM, AM, PM	Radiative Flux, Solar Incident, Angular Model Scenes, Monthly_Avg	4701	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Cloud
					Richey, Batista	IDS-2141		2/day	:: Land/R	
CERES	TRMM, AM, PM	Radiative Flux, SW, Up, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4703	CER08			TBD	1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4703				
					Kerr, Sorooshian	IDS-2240	15% :: 15%	[diurnal]	500 m :: Land/R	N/A :: Sfc
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4704	CER08			TBD	1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4704				
					Kerr, Sorooshian	IDS-2216	10% :: 10%	[diurnal]	500 m :: Land/R	:: Sfc
					Sellers	IDS-2217	20% :: 20%	1/hr	100 km :: Land	
CERES	TRMM, AM, PM	Radiative Flux, LW, Up, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4705	CER08			TBD	1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4705				
					Kerr, Sorooshian	IDS-2192	15% :: 15%	[diurnal]	500 m :: Land/R	:: TOA
					Murakami	IDS-2395	10% ::			N/A :: TOA
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4706	CER08			TBD	1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4706				
					Kerr, Sorooshian	IDS-2163	10% :: 10%	[diurnal]	500 m :: Land/R	:: Sfc
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4706	CER08						
					Sellers	IDS-2164	20% :: 20%	4/day	100 km :: Land	0.5 km ::
CERES	TRMM, AM, PM	Number Atmospheric Layers, Monthly_Avg	4707	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4707				
CERES	TRMM, AM, PM	Pressure, Atmospheric Layer, Monthly_Avg	4708	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4708				
CERES	TRMM, AM, PM	Radiative Flux, SW, Up, Adjusted, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4709	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4709				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Adjusted, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4710	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4710				
CERES	TRMM, AM, PM	Radiative Flux, LW, Up, Adjusted, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4711	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4711				
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Adjusted, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_Avg	4712	CER08				1/mon	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4712				
CERES	TRMM, AM, PM	Photosythetically Active Radiation, Sfc, Monthly_Avg	4713	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Sfc
					Abbott	4713				
CERES	TRMM, AM, PM	Precipitable Water, Adjusted, Monthly_Avg	4715	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Atmos
					Abbott	4715				
CERES	TRMM, AM, PM	Skin Temperature, Adjusted, Monthly_Avg	4718	CER08				1/mon	1.25 x 1.25 dg :: G	N/A :: Sfc
					Abbott	4718				
CERES	TRMM, AM, PM	Radiative Flux, LW, Window, Statistics, TOA, Clear_sky and Total_sky, Monthly_3-Hourly_Avg	4721	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: TOA
					Abbott	4721				
CERES	TRMM, AM, PM	Cloud Area Fraction, Overcast, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4722	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4722				
CERES	TRMM, AM, PM	Cloud Area Fraction, Total, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4723	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4723				
CERES	TRMM, AM, PM	Cloud Area Fraction, Broken, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4724	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4724				
CERES	TRMM, AM, PM	Cloud Optical Depth, Visible, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4725	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4725				
CERES	TRMM, AM, PM	Cloud Emissivity, IR, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4726	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4726				
CERES	TRMM, AM, PM	Cloud Pressure, Top, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4729	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4729				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Cloud Pressure, Effective, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4730	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4730				
CERES	TRMM, AM, PM	Cloud Temperature, Effective, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4731	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4731				
CERES	TRMM, AM, PM	Cloud Height, Effective, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4732	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4732				
CERES	TRMM, AM, PM	Cloud Pressure, Bottom, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg	4733	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4733				
CERES	TRMM, AM, PM	Cloud Temperature, Effective, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg, Adjusted	4738	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4738				
CERES	TRMM, AM, PM	Cloud Optical Depth, Effective, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg Adjusted	4739	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4739				
CERES	TRMM, AM, PM	Cloud Emissivity, Effective, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg Adjusted	4740	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4740				
CERES	TRMM, AM, PM	Cloud Fraction Area, Effective, Statistics, Weighted Avg Column, Monthly_3-Hourly_Avg Adjusted	4741	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Cloud
					Abbott	4741				
CERES	TRMM, AM, PM	Fractional Area Coverage, Statistics, Angular Model Scenes, Monthly_3-Hourly_Avg	4743	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Atmos
					Abbott	4743				
CERES	TRMM, AM, PM	Radiative Flux, LW, Statistics, Angular Model Scenes, Monthly_3 Hourly_Avg	4746	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Atmos
					Barron	IDS-2185	10 :: 5	1/day	100 km :: G	N/A :: Sfc
					Barron	IDS-2186	10 :: 5	1/day	30 m :: L	N/A :: Sfc
					Barron	IDS-2187	10 :: 5	1/day	10 km :: R	N/A :: Sfc
					Murakami	IDS-2183	2% ::			N/A :: Atmos
					Srokosz	IDS-2385	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Radiative Flux, SW, Up, Atmos Layer, Statistics, Total_sky & Clear_sky, Monthly_3-Hourly_Avg	4747	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4747				
					Barron	IDS-2237	10 :: 5	1/day	100 km :: G	N/A :: Sfc
					Murakami	IDS-2234	2% ::			N/A :: Atmos
					Srokosz	IDS-2400	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Atmos Layer, Statistics, Total_sky & Clear_sky, Monthly_3-Hourly_Avg	4748	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4748				
					Barron	IDS-2237	10 :: 5	1/day	100 km :: G	N/A :: Sfc
					Murakami	IDS-2234	2% ::			N/A :: Atmos
					Srokosz	IDS-2400	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
CERES	TRMM, AM, PM	Radiative Flux, LW, Up, Atmos Layer, Statistics, Total_sky & Clear_sky, Monthly_3-Hourly_Avg	4749	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4749				
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Atmos Layer, Statistics, Total_sky & Clear_sky, Monthly_3-Hourly_Avg	4750	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4750				
CERES	TRMM, AM, PM	Number Atmospheric Layers, Monthly_3-Hourly_Avg	4751	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4751				
CERES	TRMM, AM, PM	Pressure, Atmospheric Layer, Monthly_3-Hourly_Avg	4752	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4752				
CERES	TRMM, AM, PM	Radiative Flux, SW, Up, Adjusted, Atmos Layer, Statistics, Total_sky & Clear_sky, Monthly_3-Hourly_Avg	4753	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4753				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Adjusted, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_3-Hourly_Avg	4754	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4754				
CERES	TRMM, AM, PM	Radiative Flux, LW, Up, Adjusted, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_3-Hourly_Avg	4755	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4755				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Adjusted, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly_3-Hourly_Avg	4756	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	Lyr :: Atmos
					Abbott	4756				
CERES	TRMM, AM, PM	Photosythetically Active Radiation, Sfc, Monthly_3-Hourly_Avg	4757	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Sfc
					Abbott	4757				
CERES	TRMM, AM, PM	Precipitable Water, Adjusted, Monthly_3-Hourly_Avg	4759	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Atmos
					Abbott	4759				
CERES	TRMM, AM, PM	Skin Temperature, Adjusted, Monthly_3-Hourly_Avg	4762	CER08				8/mon [1-mon avg for each 3-hr of day]	1.25 x 1.25 dg :: G	N/A :: Sfc
					Abbott	4762				
CERES	TRMM, AM, PM	TBD	TBD	CER08						
					Wielicki	TBD				
CERES	TRMM, AM, PM	TBD	TBD	CER09						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Imager Radiance, Statistics, CERES FOV	4253	CER11				2/day	25 km::G	N/A :: TOA
					Hartmann	IDS-2188	5% :: 2%	1/day	<30 km :: Ocean	N/A :: Sfc
					Lau	IDS-2154	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
CERES	TRMM, AM, PM	Bidirectional Reflectance / Brightness Temperature	4254	CER11				2/day	25 km::G	N/A :: Sfc
					Lau	IDS-2154	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
CERES	TRMM, AM, PM	Imager Radiance, Statistics, Clear_sky	4257	CER11				2/day	25 km::G	N/A :: TOA
					Hartmann	IDS-2214	0.5% :: 0.5%	1/day	20 km :: G	N/A :: Sfc
					Lau	IDS-2215	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
CERES	TRMM, AM, PM	TBD	TBD	CER11						
					Dickinson	TBD				
					Dickinson	TBD				
					Isacks	TBD				
					Wielicki	TBD				
CERES	TRMM, AM, PM	TBD	TBD	CER12						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Radiative Flux, Net, Clear_sky, Monthly_Avg_Day	4113	CER13			10 W/m^2 :: 10 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Hartmann	IDS-2213	0.5% :: 0.5%	1/day	20 km :: G	N/A :: TOA

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Solar Incidence, Clear_sky, Monthly_Avg_Hour	4118	CER13				1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Liu	IDS-2055			:: Ocean	N/A :: Cloud
CERES	TRMM, AM, PM	Radiative Flux, LW, Monthly_Avg_Hour	4134	CER13			5 W/m^2 :: 5 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4134				
CERES	TRMM, AM, PM	Radiative Flux, SW, Monthly_Avg_Hour	4135	CER13			10 W/m^2 :: 10 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4135				
CERES	TRMM, AM, PM	Albedo, Monthly_Avg_Hour	4136	CER13			1% :: 1%	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4136				
CERES	TRMM, AM, PM	Radiative Flux, LW, Clear_sky, Monthly_Avg_Hour	4137	CER13			5 W/m^2 :: 5 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4137				
CERES	TRMM, AM, PM	Radiative Flux, SW, Clear_sky, Monthly_Avg_Hour	4138	CER13			10 W/m^2 :: 10 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4138				
CERES	TRMM, AM, PM	Albedo, Clear_sky, Monthly_Avg_Hour	4139	CER13			1% :: 1%	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4139				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Sfc, Monthly_Avg_Hour	4140	CER13			5 W/m^2 :: 5 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Abbott	4140				
CERES	TRMM, AM, PM	Radiative Flux, SW, Net, Sfc, Monthly_Avg_Hour	4141	CER13			5 W/m^2 :: 5 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Abbott	4141				
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Sfc, Monthly_Avg_Hour	4142	CER13			5 W/m^2 :: 5 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Abbott	4142				
CERES	TRMM, AM, PM	Radiative Flux, LW, Net, Sfc, Monthly_Avg_Hour	4143	CER13			5 W/m^2 :: 5 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Abbott	4143				
CERES	TRMM, AM, PM	Radiative Flux, LW, Daily_Avg	4145	CER13			5 W/m^2 :: 5 W/m^2	1/day	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4145				
CERES	TRMM, AM, PM	Radiative Flux, SW, Daily_Avg	4146	CER13			10 W/m^2 :: 10 W/m^2	1/day	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4146				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Albedo, Daily_Avg	4147	CER13			1% :: 1%	1/day	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4147				
CERES	TRMM, AM, PM	Radiative Flux, LW, Clear_sky, Daily_Avg	4148	CER13			5 W/m^2 :: 5 W/m^2	1/day	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4148				
CERES	TRMM, AM, PM	Radiative Flux, SW, Clear_sky, Daily_Avg	4149	CER13			10 W/m^2 :: 10 W/m^2	1/day	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4149				
CERES	TRMM, AM, PM	Albedo, Clear_sky, Daily_Avg	4150	CER13			1% :: 1%	1/day	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4150				
					Liu	IDS-2055			:: Ocean	N/A :: Cloud
CERES	TRMM, AM, PM	Radiative Flux, LW, Monthly_Hourly_Avg	4156	CER13			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4156				
CERES	TRMM, AM, PM	Radiative Flux, SW, Monthly_Hourly_Avg	4157	CER13			10 W/m^2 :: 10 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4157				
CERES	TRMM, AM, PM	Albedo, Monthly_Hourly_Avg	4158	CER13			1% :: 1%	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4158				
CERES	TRMM, AM, PM	Radiative Flux, LW, Clear_sky, Monthly_Hourly_Avg	4159	CER13			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4159				
CERES	TRMM, AM, PM	Radiative Flux, SW, Clear_sky, Monthly_Hourly_Avg	4160	CER13			10 W/m^2 :: 10 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4160				
CERES	TRMM, AM, PM	Albedo, Clear_sky, Monthly_Hourly_Avg	4161	CER13			1% :: 1%	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Abbott	4161				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Sfc, Monthly_Hourly_Avg	4162	CER13			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Abbott	4162				
CERES	TRMM, AM, PM	Radiative Flux, SW, Net, Sfc, Monthly_Hourly_Avg	4163	CER13			10 W/m^2 :: 10 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Abbott	4163				
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Sfc, Monthly_Hourly_Avg	4164	CER13			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Abbott	4164				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	Radiative Flux, LW, Net, Sfc, Monthly_Hourly_Avg	4165	CER13			10 W/m^2 :: 10 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Abbott	4165				
CERES	TRMM, AM, PM	TBD	TBD	CER13						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Radiative Flux, Net, Monthly_Avg_Day	4172	CER14			10 W/m^2 :: 10 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Simard	IDS-2137	10% ::		:: Canada/R	
CERES	TRMM, AM, PM	Radiative Flux, Net, Monthly_Avg_Hour	4175	CER14			10 W/m^2 :: 10 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Simard	IDS-2137	10% ::		:: Canada/R	
CERES	TRMM, AM, PM	Radiative Flux, Net, Clear_sky, Monthly_Avg_Hour	4177	CER14			10 W/m^2 :: 10 W/m^2	1/mon	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: TOA
					Simard	IDS-2137	10% ::		:: Canada/R	
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Sfc, Daily_Avg	4212	CER14			5 W/m^2 :: 5 W/m^2	1/day	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Hartmann	IDS-2188	5% :: 2%	1/day	<30 km :: Ocean	N/A :: Sfc
					Lau	IDS-2154	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Sfc, Monthly_Hourly_Avg	4221	CER14			5 W/m^2 :: 5 W/m^2	24/mon [1-mon avg for each local hr of day]	2.5 dg, 5 dg, 10 dg, 2.5 dg z.m., 5 dg z.m, 10 dg z.m., global avg :: G	N/A :: Sfc
					Hartmann	IDS-2214	0.5% :: 0.5%	1/day	20 km :: G	N/A :: Sfc
					Lau	IDS-2215	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
CERES	TRMM, AM, PM	TBD	TBD	CER14						
					Wielicki	TBD				
CERES	TRMM, AM, PM	Radiative Flux, SW, Down, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly Zonal & Global	4822	CER15				1/mon	2.5 deg (lat. zone) :: G	Lyr :: Atmos
					Sellers	IDS-2217	20% :: 20%	1/hr	100 km :: Land	
CERES	TRMM, AM, PM	Radiative Flux, LW, Up, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly Zonal & Global	4823	CER15				1/mon	2.5 deg (lat. zone) :: G	Lyr :: Atmos
					Murakami	IDS-2395	10% ::			N/A :: TOA
CERES	TRMM, AM, PM	Radiative Flux, LW, Down, Atmos Layer, Statistics, Total_sky and Clear_sky, Monthly Zonal & Global	4824	CER15				1/mon	2.5 deg (lat. zone) :: G	Lyr :: Atmos
					Sellers	IDS-2164	20% :: 20%	4/day	100 km :: Land	0.5 km ::
CERES	TRMM, AM, PM	Cloud Optical Depth, Visible, Statistics, Weighted Avg Column, Monthly_3-Hourly, Zonal & Global Avg	4841	CER15				8/mon [1-mon avg for each 3-hr of day]	2.5 deg (lat. zone) :: G	N/A :: Cloud
					Rothrock	IDS-2544	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
CERES	TRMM, AM, PM	TBD	TBD	CER15						
					Wielicki	TBD				
DFA	ALT-R	Altimeter Waveform	3464	DFA01			:: 0.25 db		0.35 km :: earth	N/A :: Sfc
					Srokosz	IDS-2096	0.2dB :: 0.1dB	1/(10 day)	10 km :: Ocean [South Atlan]	N/A :: Sfc
					Srokosz	IDS-3125	0.02(bin) :: 0.1dB	1/(10 day)	10 km :: Ocean [South Atlan]	N/A :: Sfc
DFA	ALT-R	Wind Speed, Along-track	1735	DFA02			2 m/s ::		7 km :: Ocean	N/A :: Sfc
					Harris	IDS-3435	5-10% :: 2-10%	1-10 days	1-25 km :: Ocean/R	N/A :: Sfc
DFA	ALT-R	Sea_Level Height, Along-track	3112	DFA02			10 cm :: 2 cm		7 km :: Ocean	N/A :: Sfc
					Abbott	IDS-2584				
					Brewer	3112				
					Harris	IDS-3427	2% :: 1%	1-10 days	7-25 km :: Ocean/R	
					Liu	IDS-3123	3 cm :: 3 cm		:: Ocean	N/A :: Sfc
					Murakami	IDS-3122	0.01 ::			N/A :: Sfc
DFA	ALT-R	Ocean Wave Height, Along-track	3129	DFA02			0.5 m or 10% ::		7 km :: Ocean	N/A :: Sfc
					Harris	IDS-3430	10 :: 10	1/day	10 deg :: Ocean/R	
					Harris	IDS-3431	10-20% :: 5-20%	1-10 days	7-25 km :: Ocean/R	
					Harris	IDS-3432	10% :: 10%	1/day	1-10 km :: Ocean/R	
					Srokosz	IDS-3131	>(.5m,5%) :: 0.1m	1/day	10 km :: Ocean/R	N/A :: Sfc
DFA	ALT-R	Backscatter Coef (Sigma-0), Along-track Radar	3756	DFA02			1.0 :: 0.25 db		7 km :: Ocean	N/A :: Sfc
					Brewer	3756				
DFA	ALT-R	Topography Map, Sea_sfc	3108	DFA03			5 cm or 10% ::	1/(10 day)	25 km :: Ocean	N/A :: Sfc
					Harris	IDS-3429	2% :: 1%	1-10 days	7-25 km :: Ocean/R	
					Liu	IDS-3123	3 cm :: 3 cm		:: Ocean	N/A :: Sfc
					Murakami	IDS-3122	0.01 ::			N/A :: Sfc
					Srokosz	IDS-3107	0.02m :: 0.01m	1/(10 day)	10 km :: Ocean/R	N/A :: Sfc
					Srokosz	IDS-1703	10 dg :: 1 dg	1/day	25 km :: Ocean [South Atlan]	
DFA	ALT-R	Ice_Sheet Elevation Map	2911	DFA04			0.5-5m ::	1/yr	15 km :: Land/Cryo	N/A :: Sfc
					Barron	IDS-2907	100 ::	1/(3 mo)	100 km :: Land/Cryo	:: Sfc
					Barron	IDS-2906	100 ::	1/(3 mo)	10 km :: Land/Cryo	:: Sfc
					Barron	IDS-3054	100 ::	1/(3 mo)	100 km :: Land/Cryo	30 m :: Sfc
					Barron	IDS-3053	100 ::	1/(3 mo)	10 km :: Land/Cryo	:: Sfc
					Simard	IDS-2909	100 mm ::	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
					Simard	IDS-2910	100 mm ::	1/(3 mo)	100 km :: Land	N/A :: Sfc
					Simard	IDS-3055	100 mm ::	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
					Simard	IDS-3056	100 mm ::	1/(3 mo)	100 km :: Land	N/A :: Sfc
EOSP	AM-2	Aerosol Optical Thickness	2297	EOS03			0.05 :: 10%	1/day [d]	40 km :: G	Column :: Atmos
					Hansen	IDS-1001	tau=0.02 ::	1/wk	500 km :: G	:: Trop
EOSP	AM-2	Aerosol Optical Thickness	2297	EOS03	Harris	IDS-3444	10%,0.05 :: 5%,0.02	2/day-1/day	20-50 km :: Ocean/R	
					Hartmann	IDS-1002	tau=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
					Pyle	IDS-1003		2/day	:: G	:: Strat
					Sellers	IDS-2288	::			
EOSP	AM-2	Cloud Pressure, Top	1530	EOS05			30 mb :: 30 mb	1/day [d]	40 km :: G	30 mb :: Cloud_top
					Barron	IDS-1412	100 m :: 25 m	1/day	100 km :: G	100 m :: Cloud
					Harris	IDS-3437	0.5 :: 0.3	2/day	20-50 km :: Ocean/R	
					Murakami	IDS-1418	1 km ::			:: Cloud

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
EOSP	AM-2	Cloud Optical Thickness	2313	EOS05			20% :: 10%	1/day [d]	40 km :: G	Column :: Cloud
					Barron	IDS-2301	3% :: 3%	1/day	100 km :: Ocean	N/A :: Cloud
					Harris	IDS-3445	10-20% :: 5-10%	2/day-1/day	5-50 km :: Ocean/R	
					Hartmann	IDS-2306	25% :: 0.25	1/day	10 km :: Ocean	N/A :: Cloud
					Kerr, Sorooshian	IDS-2325	10% :: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
					Rothrock	IDS-2544	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
EOSP	AM-2	Vegetation/Land Classification (via Polarization)	3743	EOS07			N/A	1/mon	40 km :: Land	N/A :: Sfc
					Barron	IDS-2728	5 ? :: 5 ?	1/yr	10 km :: Land/R	N/A :: Sfc
					Hansen	IDS-2718	5% ::	1/wk	500 km :: Land	:: Sfc
					Moore	IDS-2721	15% :: 15%	1/yr	1 km :: Land	:: Sfc
					Sellers	IDS-2740		1/(1-4 day)	100 km ::	:: Sfc
					Simard	IDS-2788	10% ::		:: Canada/R	N/A :: Sfc
					Simard	IDS-2720	10% ::		:: Canada/R	N/A :: Sfc
GLAS	ALT-L	Boundary Layer Height	1014	GLA05			150 m ::	1/(2-16 day)	2-100 km :: G	N/A :: Atmos
					Barron	IDS-1511	75 m ::	1/day	100 km :: G	100 m :: Mixed_lyr
					Barron	IDS-1510	75 m ::	1/day	10 km :: R	100 m :: Mixed_lyr
					Sellers	IDS-1004				
					Sellers	IDS-1513				
GLAS	ALT-L	Cloud Height (for multi-layers)	1400	GLA06			75 m ::	1/(2-16 day)	0.2-10 km :: G	N/A :: Cloud
					Barron	IDS-1414	100 m :: 25 m	1/day	30 m :: L	100 m :: Cloud
GLAS	ALT-L	Ice_Sheet Elevation	2912	GLA07			200 mm (3° slope) ::	2/yr	188 m (AT) x 5 km (CT) ::	N/A :: Cryo
					Barron	IDS-2906	100 ::	1/(3 mo)	10 km :: Land/Cryo	:: Sfc
					Barron	IDS-3054	100 ::	1/(3 mo)	100 km :: Land/Cryo	30 m :: Sfc
					Barron	IDS-3053	100 ::	1/(3 mo)	10 km :: Land/Cryo	:: Sfc
					Simard	IDS-2909	100 mm ::	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
					Simard	IDS-2910	100 mm ::	1/(3 mo)	100 km :: Land	N/A :: Sfc
					Simard	IDS-3055	100 mm ::	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
					Simard	IDS-3056	100 mm ::	1/(3 mo)	100 km :: Land	N/A :: Sfc
GLAS	ALT-L	Thin Cloud/Aerosol Optical Depth	2291	GLA09			20% ::	1/(2-16 day)	2-100 km :: G	N/A :: Atmos
					Hansen	IDS-2287	tau=0.02 ::	1/wk	500 km :: G	:: Strat
					Hansen	IDS-1001	tau=0.02 ::	1/wk	500 km :: G	:: Trop
					Murakami	IDS-2327	5-10% ::		:: G	N/A :: Atmos
GLAS	ALT-L	Topographic Elevation, Land_sfc	2858	GLA10			1-5 m ::	2/yr	188 m (AT) x 15 km (CT) :: Land	N/A :: Sfc
					Barron	IDS-2823		1/mission	10 km :: Land/R	30 m :: Sfc
					Kerr, Sorooshian	IDS-2882		1/yr	30 m :: Land/R	:: Sfc
					Kerr, Sorooshian	IDS-2826	50 m :: 50 m	1/mission	500 m :: Land	N/A :: Sfc
					Moore	IDS-2915	20% :: 20%	1/wk	1-25 km :: Land	
					Moore	IDS-2827	1m ::			:: Sfc

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
GLAS	ALT-L	Vegetation Canopy Height	3746	GLA11			1-5 m ::	2/yr	188 m (AT) x 15 km (CT) :: Land	N/A :: Sfc
					Barron	IDS-2824		1/mission	30 m :: Land/L	30 m :: Sfc
					Barron	IDS-2639		1/seas	30 m :: Land/L	N/A :: Sfc
					Barron	IDS-2640		1/seas	10 km :: Land/R	N/A :: Sfc
					Cihlar	3746				
					Kerr, Sorooshian	IDS-2636	10% :: 10%	1/seas	30 m :: Land/R	:: Sfc
					Richey, Batista	IDS-2726		1/seas	1 km :: Land/R	N/A :: Sfc
					Schimel	IDS-2641	:: 5%	1/yr	30 m :: 6 sites/L	N/A :: Sfc
					Schimel	IDS-2643	:: 5%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
					Schimel	IDS-2642	:: 5%	1/yr	500 m :: 6 sites/L	N/A :: Sfc
					Sellers	IDS-2740		1/(1-4 day)	100 km ::	:: Sfc
					Simard	IDS-2720	10% ::		:: Canada/R	N/A :: Sfc
HIRDLS	CHEM-1	Aerosol Extinction Coef	1992	HIR02			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-60 km (given accuracies for 7-30 km)
					Grose	IDS-1006	20% :: 10%	2/day	15 x 4 dg :: G	2 km :: Strat
					Hansen	IDS-2287	tau=0.02 ::	1/wk	500 km :: G	:: Strat
					Hansen	IDS-1001	tau=0.02 ::	1/wk	500 km :: G	:: Trop
					Kerr, Sorooshian	IDS-1007	5% :: 5%	1/day	25 km :: Land	3 km :: Atmos
					Murakami	IDS-2327	5-10% ::		:: G	N/A :: Atmos
					Pyle	IDS-1003		2/day	:: G	:: Strat
					Schoeberl	IDS-1010	10% :: 5%	1/day	200 km :: G	1 km :: Strat
HIRDLS	CHEM-1	CFC-11(CFCl3) Conc	1055	HIR03			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-50 km (given accuracies for 7-30 km)
					Grose	IDS-1050	15% :: 5%	1/wk	30 x 4 dg :: G	3 km :: Strat
					Hansen	IDS-1057		1/wk	500 km :: G	:: Trop
					Murakami	IDS-1374	20% ::			N/A :: TOA
					Pyle	IDS-1051	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1052	15% :: 10	1/day	2 x 3 dg :: G	1.5 km :: Strat
HIRDLS	CHEM-1	CFC-12(CF2Cl2) Conc	1047	HIR04			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-55 km (given accuracies for 7-30 km)
					Grose	IDS-1042	15% :: 5%	1/wk	30 x 4 dg :: G	3 km :: Strat
					Hansen	IDS-1057		1/wk	500 km :: G	:: Trop
					Murakami	IDS-1374	20% ::			N/A :: TOA
HIRDLS	CHEM-1	CFC-12(CF2Cl2) Conc	1047	HIR04	Pyle	IDS-1043	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1044	15% :: 10	1/day	2 x 3 dg :: G	1.5 km :: Strat
HIRDLS	CHEM-1	CH4 Conc	1085	HIR05			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-65 km (given accuracies for 7-65 km)
					Grose	IDS-1074	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1076		1/wk	500 km :: G	:: Trop
					Hansen	IDS-1075	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
					Hansen	IDS-1372	2% ::	1/wk	500 km :: G	:: Trop
					Murakami	IDS-1374	20% ::			N/A :: TOA
					Pyle	IDS-1077	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1078	15% :: 0.05	1/day	2 x 3 dg :: G	1.5 km :: Strat
HIRDLS	CHEM-1	ClONO2 Conc	3723	HIR06			5-10% :: 3-15%	2/day [d,n]	400 x 400 km :: G	1 km :: 15-65 km
					Pyle	IDS-1109	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1110	15% :: 0.05	1/day	8 x 10 dg :: G	3 km :: Strat

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
HIRDLS	CHEM-1	Cloud Height, Top	1531	HIR07			0.4 km :: 0.4 km	2/day [d,n]	400 x 400 km :: G	0.4 km :: Trop
					Hansen	IDS-1399	50 m ::	1/wk	500 km :: G	:: Cloud
					Kerr, Sorooshian	IDS-1417	:: 0.5 km	1/hr	1 km :: Land/R	:: Cloud
					Murakami	IDS-1418	1 km ::			:: Cloud
HIRDLS	CHEM-1	H2O Conc	1837	HIR09			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-70 km (given accuracies for 7-70 km)
					Grose	IDS-1811	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Trop/meso
					Hansen	IDS-1864	3% ::	1/wk	500 km :: G	Column :: Strat
					Hansen	IDS-1812	3% ::	1/wk	500 km :: G	:: Atmos
					Pyle	IDS-1819	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1822	10% :: 0.05	1/day	4 x 5 dg :: G	2.5 km :: Meso
					Schoeberl	IDS-1821	10% :: 5%t,0.05s	1/day	2 x 3 dg :: G	1.5 km :: 0-Strat
					Srokosz	IDS-1824	0.3g/kg :: 0.1g/kg	2/day	10 km :: Ocean [South Atlan]	
HIRDLS	CHEM-1	HNO3 Conc	1202	HIR10			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-50 km (given accuracies for 10-40 km)
					Grose	IDS-1198	20% :: 5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1199	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Pyle	IDS-1210	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Pyle	IDS-1210	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1200	15% :: 0.1	1/day	2 x 3 dg :: G	2 km :: Strat
HIRDLS	CHEM-1	N2O Conc	1239	HIR11			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-70 km (given accuracies for 7-60 km)
					Grose	IDS-1229	15% :: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1230		1/wk	500 km :: G	:: Trop
					Murakami	IDS-1374	20% ::			N/A :: TOA
					Pyle	IDS-1231	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1232	15% :: 10	1/day	2 x 3 dg :: G	2 km :: Strat
HIRDLS	CHEM-1	N2O5 Conc	1254	HIR12			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 10-65 km (given accuracies for 15-45 km)
					Grose	IDS-1250	20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1251	20% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1252	15% :: 20%	1/day	8 x 10 dg :: G	3 km :: Strat
HIRDLS	CHEM-1	NO2 Conc	1273	HIR13			5-10% :: 3-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-65 km (given accuracies for 10-55 km)
					Grose	IDS-1269	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1372	2% ::	1/wk	500 km :: G	:: Trop
					Pyle	IDS-1270	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1271	10% ::	1/day	4 x 5 dg :: G	2 km :: Mid-atmos
HIRDLS	CHEM-1	O3 Conc	1318	HIR14			5-10% :: 1-10%	2/day [d,n]	400 x 400 km :: G	1 km :: 5-80 km (given accuracies for 7-80 km)
					Grose	IDS-1306	2%,5% :: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1307	3% ::	1/wk	500 km :: G	:: Atmos
					Moore	IDS-1309	25% :: 10%	1/day	100 km :: G	:: Atmos
					Murakami	IDS-1310	10% ::			N/A :: TOA
					Pyle	IDS-1311	5% :: 2%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1312	10% :: 10%	1/day	4 x 5 dg :: G	2.5 km :: Trop
					Schoeberl	IDS-1313	10% :: 5%	1/day	2 x 3 dg :: G	1.5 km :: Mid-atmos

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
HIRDLS	CHEM-1	Temperature Profile	1608	HIR15			1K<50km;2K>50 km :: 0.3K<50km;1K> 50km	2/day [d,n]	400 x 400 km :: G	1 km :: 5-130 km
					Grose	IDS-1572	2 K :: 0.5 K	2/day	15 x 4 dg :: G	2 km :: Mid-atmos
					Hansen	IDS-1573	0.3 C ::	1/wk	500 km :: G	:: Strat
					Kerr, Sorooshian	IDS-1577	1 K :: 1 K	2/day	50 km :: Land	1 km :: Atmos
					Pyle	IDS-1581	2 K :: 0.5 K	2/day	15 x 4 km :: G	2 km :: Strat
					Schoeberl	IDS-1582	2 K :: 1 K	1/day	2 x 2 dg :: G	2 km :: Atmos
HIRDLS	CHEM-1	Temperature	1608A	HIR16			1K<50km;2K>50 km :: 0.3K<50km;1K> 50km	2/day [d,n]	4 x 4 dg :: G	1 km :: 5-130 km
					Grose	IDS-1572	2 K :: 0.5 K	2/day	15 x 4 dg :: G	2 km :: Mid-atmos
HIRDLS	CHEM-1	CH4 Conc	1085A	HIR19			5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 5-65 km
					Grose	IDS-1074	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1076		1/wk	500 km :: G	:: Trop
					Hansen	IDS-1075	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
					Murakami	IDS-1374	20% ::			N/A :: TOA
					Pyle	IDS-1077	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1078	15% :: 0.05	1/day	2 x 3 dg :: G	1.5 km :: Strat
HIRDLS	CHEM-1	H2O Conc	1837A	HIR21			5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 5-70 km
					Pyle	IDS-1819	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
HIRDLS	CHEM-1	H2O Conc	1837A	HIR21	Srokosz	IDS-1824	0.3g/kg :: 0.1g/kg	2/day	10 km :: Ocean [South Atlan]	
HIRDLS	CHEM-1	HNO3 Conc	1202A	HIR22			5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 5-50 km
					Grose	IDS-1198	20% :: 5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
HIRDLS	CHEM-1	N2O Conc	1239A	HIR23			5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 5-70 km
					Grose	IDS-1229	15% :: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Schoeberl	IDS-1232	15% :: 10	1/day	2 x 3 dg :: G	2 km :: Strat
HIRDLS	CHEM-1	N2O5 Conc	1254A	HIR24			5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 10-65 km
					Grose	IDS-1250	20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1251	20% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1252	15% :: 20%	1/day	8 x 10 dg :: G	3 km :: Strat
HIRDLS	CHEM-1	NO2 Conc	1273A	HIR25			5-10% :: 3-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 5-65 km
					Grose	IDS-1269	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1270	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1271	10% ::	1/day	4 x 5 dg :: G	2 km :: Mid-atmos
HIRDLS	CHEM-1	O3 Conc	1318A	HIR26			5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 5-80 km
					Grose	IDS-1306	2%,5% :: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Schoeberl	IDS-1312	10% :: 10%	1/day	4 x 5 dg :: G	2.5 km :: Trop
					Schoeberl	IDS-1313	10% :: 5%	1/day	2 x 3 dg :: G	1.5 km :: Mid-atmos
HIRDLS	CHEM-1	Wind Velocity, Balanced/Geostrophic	1687	HIR27			3 m/s :: 3 m/s	2/day [d,n]	4 x 4 dg :: G	1 km :: 5-80 km
					Barron	IDS-1652	1 m/s :: 0.5 m/s	1/day	100 km :: L	1 km :: 0-12 km
					Grose	IDS-1662	5m/s,10dg :: 5m/s,5dg	2/day	15 x 4 dg :: G	2 km :: Mid-atmos
					Hartmann	IDS-1665	4 m/s :: 4 m/s	1/day	100 km :: G	:: 0-15 km
					Schoeberl	IDS-1671	2 m/s :: 3 m/s	1/day	200 x 200 km :: G	2 km :: Strat
					Sellers	IDS-1715	1 m/s ::	4/day	100 km ::	0.5 km :: Trop
					Srokosz	IDS-1703	10 dg :: 1 dg	1/day	25 km :: Ocean [South Atlan]	
MIMR	PM-1	TBD	TBD	MIM01						
					Wielicki	TBD				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MIMR	PM-1	Precipitation (Land)	3709	MIM02			100% ::		6 km :: Land	N/A :: Sfc
					Cihlar	3709				
					Kerr, Sorooshian	IDS-1865	10% :: 10%	2/day	50 km :: Land	Column :: Atmos
					Kerr, Sorooshian	IDS-1934	1 mm :: 1 mm	1/day	1 km :: Land/R	N/A :: Sfc
					Kerr, Sorooshian	IDS-1957	10% :: 10%	1/mo	500 m :: Land/L	N/A :: Sfc
					Kerr, Sorooshian	IDS-1959	20% :: 20%	1/day	500 m :: G	N/A :: Trop
					Lau	IDS-1936	2 :: 2	1/day	50 km :: R	N/A :: Sfc
					Liu	IDS-1973	1 :: 1	2/day	25 km :: Ocean	N/A :: Trop
					Murakami	IDS-1938	10% ::			
					Richey, Batista	IDS-1863		1/wk	1 km :: R	Column :: Trop
					Sellers	IDS-1939		4/day	100 km ::	
					Simard	IDS-1937	20% ::		:: Canada/R	N/A :: Trop
					Srokosz	IDS-1975	10% :: 1mm/hr	2/day	10 km :: Ocean [South Atlan]	N/A :: Trop
MIMR	PM-1	Precipitation (Ocean, 2 layers)	3711	MIM02			50% ::		14 km :: Ocean	N/A :: Sfc
					Brewer	3711				
					Hansen	IDS-1930	10% ::	1/wk	500 km :: G	:: Sfc
					Harris	IDS-3439		1/day	10-25 km :: Ocean/R	
					Harris	IDS-3440	5% :: 3%	2/day	20-50 km :: Ocean/R	
					Harris	IDS-3441	2 :: 1	2/day	20-50 km :: Ocean/R	
					Hartmann	IDS-1931	10 :: 10	1/day	10 km :: Ocean	N/A :: Trop
					Kerr, Sorooshian	IDS-1959	20% :: 20%	1/day	500 m :: G	N/A :: Trop
					Lau	IDS-1936	2 :: 2	1/day	50 km :: R	N/A :: Sfc
					Liu	IDS-1973	1 :: 1	2/day	25 km :: Ocean	N/A :: Trop
					Murakami	IDS-1938	10% ::			
					Sellers	IDS-1939		4/day	100 km ::	
					Srokosz	IDS-1975	10% :: 1mm/hr	2/day	10 km :: Ocean [South Atlan]	N/A :: Trop
MIMR	PM-1	TBD	TBD	MIM02						
					Wielicki	TBD				
MIMR	PM-1	Cloud Liquid_Water Content	3598	MIM03			3 mg/cm^2		14 km :: Ocean	N/A :: Trop
					Barron	IDS-1903	0.1 :: 0.05	1/day	10 km :: R	1 km :: Cloud
					Hartmann	IDS-1919	0.05 :: 0.05	1/day	10 km :: Ocean	Column :: Trop
					Srokosz	IDS-1922	10% :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Trop
MIMR	PM-1	TBD	TBD	MIM03						
					Wielicki	TBD				
MIMR	PM-1	Precipitable Water	3596	MIM04			0.2 g/cm^2 ::		14 km :: Ocean	Column :: Trop
					Barron	IDS-1860	3% :: 1%	1/day	10 km :: R	Column :: Trop
					Barron	IDS-1860	3% :: 1%	1/day	10 km :: R	Column :: Trop
					Hansen	IDS-1930	10% ::	1/wk	500 km :: G	:: Sfc
					Harris	IDS-3439		1/day	10-25 km :: Ocean/R	
					Harris	IDS-3440	5% :: 3%	2/day	20-50 km :: Ocean/R	
					Hartmann	IDS-1931	10 :: 10	1/day	10 km :: Ocean	N/A :: Trop
					Liu	IDS-1866	0.5 :: 0.5	1/day	25 km :: Ocean	Column :: Trop
					Srokosz	IDS-1868	1kg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos
MIMR	PM-1	TBD	TBD	MIM04						
					Wielicki	TBD				

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MIMR	PM-1	Wind Speed, Sea_sfc	3594	MIM05			1.5 m/s* ::		14, 25 km :: Ocean	N/A :: Sfc
					Brewer	IDS-1710	15% :: 5%	1/day, 1/seas	25 km :: Ocean	N/A :: Sfc
					Hansen	IDS-1663	10% ::	1/wk	500 km :: Ocean	:: Sfc
					Harris	IDS-3435	5-10% :: 2-10%	1-10 days	1-25 km :: Ocean/R	N/A :: Sfc
					Lau	IDS-1739	0.5 m/s :: 2%	2/day	100 km :: G	N/A :: Sfc
					Liu	IDS-1713	1 :: 1	1/day	25 km :: Ocean	N/A :: Sfc
					Murakami	IDS-1744	0.01 ::		:: Ocean	N/A :: Sfc
					Srokosz	IDS-1716	1 m/s :: 0.1 m/s	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
					Tapley	IDS-1717	1 m/s ::	8/day	1 x 1 dg :: Ocean	N/A :: Sfc
					Tapley	IDS-1745	10% ::	8/day	1 x 1 dg :: Ocean	N/A :: Sfc
MIMR	PM-1	TBD	TBD	MIM05						
					Wielicki	TBD				
MIMR	PM-1	Sea Surface Temperature (SST)	3603	MIM06			1 K* ::		60 km :: Ocean	N/A :: Sfc
					Barron	IDS-2506	0.5 K ::	1/day	100 km :: Ocean	N/A :: Sfc
					Barron	IDS-2507	0.5 K ::	1/day	10 km :: Ocean/R	N/A :: Sfc
					Hansen	IDS-2512	0.2 C ::	1/wk	500 km :: Ocean	:: Sfc
					Harris	IDS-3452	0.5-1 K :: 0.2-0.3 K	1/day	20 km :: Ocean/R	
					Hartmann	IDS-2513	0.5 K :: 0.5 K	1/day	10 km :: Ocean	N/A :: Sfc
					Liu	IDS-2517	0.5 :: 0.5	1/wk	10 km :: G	N/A :: Sfc
					Murakami	IDS-2518	0.2 K ::		:: G	N/A :: Sfc
					Rothrock	IDS-2519	1 K :: 1 K	1/(2 day)	30 km :: G	N/A :: Sfc
					Srokosz	IDS-2520	0.3 K(IR) :: 0.1 K	2/day	.100-1 km :: Ocean [South Atlan]	N/A :: Sfc
MIMR	PM-1	TBD	TBD	MIM06						
					Wielicki	TBD				
MIMR	PM-1	Snow Depth	3713	MIM07					23 km :: Land	N/A :: Sfc
					Moore	IDS-1983	10% :: 10%	1/wk	1 km :: G	
					Sellers	IDS-1984				
					Simard	IDS-3034	5 cm/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
					Simard	IDS-3043			:: Canada/R	N/A :: Sfc
MIMR	PM-1	TBD	TBD	MIM07						
					Wielicki	TBD				
MIMR	PM-1	Snow Water Content (Liquid Water Equivalent)	3715	MIM08					23 km :: Land	N/A :: Sfc
					Cihlar	3715				
					Moore	IDS-1983	10% :: 10%	1/wk	1 km :: G	
					Moore	IDS-3027		1/wk	1 km :: Land	:: Sfc
					Moore	IDS-3046		1/wk	1 km :: Land	:: Sfc
					Simard	IDS-3045	10 mm/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
MIMR	PM-1	Soil Moisture	3605	MIM10			50% ? ::		60 km :: Land	N/A :: Sfc
					Barron	IDS-2947	0.05 :: 0.02	1/day	100 km :: Land	N/A :: Sfc
					Barron	IDS-2948	0.05 :: 0.02	1/day	30 m :: Land/L	N/A :: Sfc
					Barron	IDS-2946	0.05 :: 0.02	1/day	10 km :: Land/R	N/A :: Sfc
					Cihlar	3605				
					Hansen	IDS-2962	10% ::	1/wk	500 km :: Land	:: Sfc
					Moore	IDS-2966	30% :: 30%	1/wk, 1/mo	1-25 km :: Land	:: Sfc
					Murakami	IDS-3066			:: Land	N/A :: Sfc
					Richey, Batista	IDS-2958		1/mo	1 km :: Land/R	N/A :: Sfc
					Sellers	IDS-2967		1/(1-4 day)	100 km ::	:: Sfc
					Simard	IDS-2949	10% ::		:: Canada/R	N/A :: Sfc

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MIMR	PM-1	Sea_Ice Conc	3611	MIM11			7% ::		12 km :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3136	5% :: 5%	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3173		1/day	100 km :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3174		1/day	10 km :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3137	5% :: 5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3161	5% :: 5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
					Brewer	3611				
					Hansen	IDS-3150	3% ::	1/wk	500 km :: Ocean/Cryo	:: Sfc
					Rothrock	IDS-3165	0.2 :: 0.2	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
					Rothrock	IDS-3178	0.03 :: 0.03	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
					Rothrock	IDS-3175	0.2 :: 0.2	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
					Rothrock	IDS-3188	0.03 :: 0.03	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
					Rothrock	IDS-3103	0.5 km :: 0.5 km	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
					Simard	IDS-3141	10km/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
					Simard	IDS-3190	10km/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
					Simard	IDS-3157	25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
					Srokosz	IDS-3142	10% :: 1%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
					Srokosz	IDS-3158	0.1 dg :: 0.01 dg	1/day	N/A :: Ocean/Cryo	N/A :: Sfc
MIMR	PM-1	TBD	TBD	MIM11						
					Wielicki	TBD				
MIMR	PM-1	Sea_Ice Type	3609	MIM12			11% ::		12 km :: Ocean/Cryo	:: Sfc
					Barron	IDS-3173		1/day	100 km :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3174		1/day	10 km :: Ocean/Cryo	N/A :: Sfc
					Rothrock	IDS-3165	0.2 :: 0.2	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
MIMR	PM-1	TBD	TBD	MIM13						
					Isacks					
					Wielicki	TBD				
MIMR	PM-1	Precipitation (Land)	3709A	MIM13			20% ::	1/day	1.0 deg ::	N/A :: Sfc
					Cihlar	3709A				
MIMR	PM-1	TBD	TBD	MIM14						
					Wielicki	TBD				
MIMR	PM-1	TBD	TBD	MIM15						
					Wielicki	TBD				
MIMR	PM-1	TBD	TBD	MIM16						
					Wielicki	TBD				
MIMR	PM-1	Wind Speed, Sea_sfc	3594A	MIM16			<0.5 m/s* ::	1/day	1.0 deg ::	N/A :: Sfc
					Murakami	IDS-1744	0.01 ::		:: Ocean	N/A :: Sfc
MIMR	PM-1	TBD	TBD	MIM17						
					Wielicki	TBD				
MIMR	PM-1	TBD	TBD	MIM18						
					Wielicki	TBD				
MIMR	PM-1	Snow Depth	3713A	MIM18				1/day	25 km ::	N/A :: Sfc
					Sellers	IDS-1984				
MIMR	PM-1	TBD	TBD	MIM19						
					Wielicki	TBD				
MIMR	PM-1	TBD	TBD	MIM20						
					Wielicki	TBD				
MIMR	PM-1	TBD	TBD	MIM21						
					Wielicki	TBD				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MIMR	PM-1	Soil Moisture	3605A	MIM21			20% ? ::	1/day	25 km ::	N/A :: Sfc
					Cihlar	3605A				
					Hansen	IDS-2962	10% ::	1/wk	500 km :: Land	:: Sfc
					Murakami	IDS-3066			:: Land	N/A :: Sfc
					Simard	IDS-2949	10% ::		:: Canada/R	N/A :: Sfc
MIMR	PM-1	TBD	TBD	MIM22						
					Wielicki	TBD				
MIMR	PM-1	TBD	TBD	MIM23						
					Wielicki	TBD				
MIMR	PM-1	Latent Heat	4331	MIM27						
					Brewer	4331				
MISR	AM	Radiance	2387	MIS02			3% :: 1% (@ equivalent reflectance of 1.0), 6% :: 2% (@ 0.05)	1/(2-9 day) [d]	275 m - 1.1 km :: G	
					Dickinson	2387				
					Mouginis-Mark	2387				
MISR	AM	Surface-Projected TOA Radiance	3728	MIS03			3% :: 1% (@ equivalent reflectance of 1.0), 6% :: 2% (@ 0.05)	1/(2-9 day) [d]	275 m - 1.1 km :: G	
					Dickinson	3728				
MISR	AM	TBD	TBD	MIS03						
					Isacks	TBD				
MISR	AM	Reflecting Level Reference Altitude	1433	MIS04			0.2 km ::	1/(2-9 day) [d]	2.2 km :: G	N/A :: Trop
					Barron	IDS-1413	100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
					Harris	IDS-3437	0.5 :: 0.3	2/day	20-50 km :: Ocean/R	
					Kerr, Sorooshian	IDS-1417	:: 0.5 km	1/hr	1 km :: Land/R	:: Cloud
					Murakami	IDS-1418	1 km ::			:: Cloud
MISR	AM	Albedo (fine), TOA	2010	MIS04			3% :: 1% (@ equivalent reflectance of 1.0), 6% :: 2% (@ 0.05)	1/(2-9 day) [d]	2.2 km :: G	N/A :: TOA
					Kerr, Sorooshian	IDS-2009	10% :: 10%	1/day	25 km :: Land/R	:: TOA
MISR	AM	Albedo (coarse, restrictive), TOA	2011	MIS04			3% :: 1% (@ equivalent reflectance of 1.0), 6% :: 2% (@ 0.05)	1/(2-9 day) [d]	35.2 km :: G	N/A :: TOA
					Barron	IDS-2023	3 ::	1/day	100 km :: G	N/A :: TOA
					Kerr, Sorooshian	IDS-2009	10% :: 10%	1/day	25 km :: Land/R	:: TOA
MISR	AM	Reflectance Factor, Bidirectional, TOA	3729	MIS04			3% :: 1% (@ equivalent reflectance of 1.0), 6% :: 2% (@ 0.05)	1/(2-9 day) [d]	2.2 km :: G	N/A :: TOA
					Dickinson	3729				
MISR	AM	Geometric Parameters (Ellipsoid Referenced)	4313	MIS04			0.1 deg ::	1/(2-9 day) [d]	17.6 km :: G	N/A :: TOA
					Dickinson	4313				

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MISR	AM	TBD	TBD	MIS04						
					Dickinson	TBD				
					Wielicki	TBD				
MISR	AM	Optical Depth, Aerosol, Tropospheric	2299	MIS05			Larger of 0.05, 10% ::	1/(2-9 day) [d]	17.6 km :: G	Column :: Atmos
					Dickinson	2299				
					Hansen	IDS-2287	tau=0.02 ::	1/wk	500 km :: G	:: Strat
					Hansen	IDS-1001	tau=0.02 ::	1/wk	500 km :: G	:: Trop
					Harris	IDS-3444	10%,0.05 :: 5%,0.02	2/day-1/day	20-50 km :: Ocean/R	
					Hartmann	IDS-1002	tau=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
MISR	AM	Optical Depth, Aerosol, Tropospheric	2299	MIS05	Kerr, Sorooshian	IDS-2325	10% :: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
					Moore	IDS-1008	50% ::	1/(2 day)	1 km :: G	
					Sellers	IDS-2288	::			
MISR	AM	Reflectance Factor, Hemispheric Directional [HRDF]	3734	MIS05			10% ::	1/(2-9 day) [d]	1.1 km (L), 2.2 km (O) :: G	N/A :: Sfc
					Brewer	3734				
MISR	AM	Leaf Area Index [LAI]	4317	MIS05			:: 30%	1/(2-9 day) [d]	1.1 km :: Land	N/A :: Sfc
					Dickinson	4317				
MISR	AM	TBD	TBD	MIS05						
					Wielicki	TBD				
MISR	AM	Reflectance Level Reference Altitude	1433A	MIS07			0.2 km ::	1/(9 day, 16 day, mon, seas, & yr)	2.2 km :: G	N/A :: Trop
					Kerr, Sorooshian	IDS-1417	:: 0.5 km	1/hr	1 km :: Land/R	:: Cloud
MISR	AM	Albedo (coarse, restrictive), TOA	2011A	MIS07			0.03 ::	1/(9 day, 16 day, mon, seas, & yr)	35.2 km :: G	N/A :: TOA
					Kerr, Sorooshian	IDS-2009	10% :: 10%	1/day	25 km :: Land/R	:: TOA
MISR	AM	Reflectance Factor, Bidirectional, TOA	3729A	MIS07			3% :: 1% (@ equivalent reflectance of 1.0), 6% :: 2% (@ 0.05)	1/(9 day, 16 day, mon, seas, & yr)	2.2 km :: G	N/A :: TOA
					Cihlar	3729A				
MISR	AM	Optical Depth, Aerosol, Tropospheric	2299A	MIS08			Larger of 0.05, 10% ::	1/(9 day, 16 day, mon, seas, & yr)	17.6 km :: G	Column :: Atmos
					Sellers	IDS-2288	::			
MLS	CHEM-1	BrO Conc	1030	MLS03						
					Grose	IDS-1026	20% :: 15%	1/wk	30 x 4 dg :: G	3 km :: Strat
					Pyle	IDS-1027	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1028	20% :: 1	1/wk	8 x 10 dg :: G	2 km :: Strat
MLS	CHEM-1	ClO Conc	1107	MLS03						
					Grose	IDS-1103	20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1104	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1105	10% :: 0.02	1/day	8 x 10 dg :: G	3 km :: Strat
MLS	CHEM-1	HCl Conc	1189	MLS03						
					Grose	IDS-1182	15% :: 10%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1183	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1184	15% :: 0.1	1/day	4 x 5 dg :: G	2 km :: Strat
MLS	CHEM-1	HNO3 Conc	1203	MLS03						
					Grose	IDS-1198	20% :: 5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1199	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1200	15% :: 0.1	1/day	2 x 3 dg :: G	2 km :: Strat

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

Version 4.0 (Prepared 3/96)

Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MLS	CHEM-1	HO2 Conc	1216	MLS03						
					Grose	IDS-1212	25% :: 10%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1213	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1214	15% :: 0.02	1/day [d]	6 x 8 dg :: G	2 km :: Strat
MLS	CHEM-1	HOCl Conc	1222	MLS03						
					Grose	IDS-1218	20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
					Pyle	IDS-1219	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1220	20% :: 0.02	1/wk	8 x 10 dg :: G	3 km :: Strat
MLS	CHEM-1	N2O Conc	1240	MLS03						
					Grose	IDS-1229	15% :: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1230		1/wk	500 km :: G	:: Trop
					Pyle	IDS-1231	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1232	15% :: 10	1/day	2 x 3 dg :: G	2 km :: Strat
MLS	CHEM-1	NO Conc	1266	MLS03						
					Grose	IDS-1262	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1263	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1264	15% :: .2s,1.0m	1/day [d]	4 x 5 dg :: G	2 km :: Mid-atmos
MLS	CHEM-1	O3 Conc	1319	MLS03						
					Grose	IDS-1306	2%,5% :: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1307	3% ::	1/wk	500 km :: G	:: Atmos
					Murakami	IDS-1310	10% ::			N/A :: TOA
					Pyle	IDS-1311	5% :: 2%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1312	10% :: 10%	1/day	4 x 5 dg :: G	2.5 km :: Trop
MLS	CHEM-1	SO2 Conc	1369	MLS03						
					Schoeberl	IDS-1366	20% ::	1/wk	8 x 10 dg :: G	3 km :: Strat
MLS	CHEM-1	Pressure	1525	MLS03						
					Grose	IDS-1516	0.05 :: 2%	2/day	15 x 4 dg :: G	3 km :: Mid-atmos
					Kerr, Sorooshian	IDS-1518	5% :: 5%	1/hr	25 km :: Land	3 km :: Trop
MLS	CHEM-1	Temperature Profile	1609	MLS03						
					Barron	IDS-1564	1 K :: 0.5 K	1/day	100 km :: G	1 km :: Trop
					Grose	IDS-1572	2 K :: 0.5 K	2/day	15 x 4 dg :: G	2 km :: Mid-atmos
					Hansen	IDS-1573	0.3 C ::	1/wk	500 km :: G	:: Strat
					Lau	IDS-1578	1 K ::	1/day	100 km :: G	1 km :: Trop
					Schoeberl	IDS-1582	2 K :: 1 K	1/day	2 x 2 dg :: G	2 km :: Atmos
MLS	CHEM-1	H2O Conc	1838	MLS03						
					Grose	IDS-1811	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Trop/meso
					Hansen	IDS-1864	3% ::	1/wk	500 km :: G	Column :: Strat
					Hansen	IDS-1812	3% ::	1/wk	500 km :: G	:: Atmos
					Schoeberl	IDS-1822	10% :: 0.05	1/day	4 x 5 dg :: G	2.5 km :: Meso
					Schoeberl	IDS-1821	10% :: 5%t,0.05s	1/day	2 x 3 dg :: G	1.5 km :: 0-Strat
MLS	CHEM-1	OH Conc	3764	MLS03						
					Grose	IDS-1355	25% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Schoeberl	IDS-1356	10% :: .02s,.05m	1/day [d]	6 x 8 dg :: G	2 km :: Mid-atmos
MLS	CHEM-1	HCl Conc	1189A	MLS07			<5% :: 1x10-10 - 1x10-9	2/day [d,n]	1.3 x 2.5 dg :: 82N-82S	2 km :: TPSE-80 km
					Grose	IDS-1182	15% :: 10%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1183	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1184	15% :: 0.1	1/day	4 x 5 dg :: G	2 km :: Strat

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	Level-1B Radiance, Calibrated Geolocated, MODIS	2338	MOD02			5%(1π) :: RMS<NE¬L	1/day	0.25 km, 0.5 km, 1 km :: G	N/A :: N/A
					Cihlar	2338				
					Dozier	2338				
					Mouginis-Mark	2338				
					Mouginis-Mark	IDS-2340	5%(1π) :: RMS<NE¬L	1/day	0.25 km, 0.5 km, 1 km :: G	N/A :: N/A
					Schoeberl	IDS-2413	5% :: 2%	1/day	:: G	:: Strat
					Sellers	IDS-2389				
					Srokosz	IDS-3310	0.05% ::	1/day	1 km :: R	N/A :: Atmos
MODIS	AM, PM	TBD	TBD	MOD02						
					Dickinson	TBD				
					Dickinson	TBD				
					Isacks	TBD				
MODIS	AM, PM	Groud Elevation	4338	MOD03				1/day	1 km ::	
					Dickinson	4338				
MODIS	AM, PM	Solar Zenith Angle	4339	MOD03				1/day	1 km ::	
					Cihlar	4339				
					Dickinson	4339				
MODIS	AM, PM	Satellite Zenith Angle	4340	MOD03				1/day	1 km ::	
					Cihlar	4340				
					Dickinson	4340				
MODIS	AM, PM	Relative Azimuth Angle	4341	MOD03				1/day	1 km ::	
					Cihlar	4341				
					Dickinson	4341				
MODIS	AM, PM	Aerosol Size-distribution (Radius-Dispersion)	1022	MOD04			30-50% :: 30-50%	1/day	5 x 5 km :: Ocean	N/A :: Atmos
					Harris	IDS-3423	0.1 :: 0.05	1/day	50 km :: Ocean/R	
					Hartmann	IDS-1020	20% :: 20%	1/day	20 km :: G	N/A :: 0-15 km
					Hartmann	IDS-1020	20% :: 20%	1/day	20 km :: G	N/A :: 0-15 km
					Hartmann	IDS-1020	20% :: 20%	1/day	20 km :: G	N/A :: 0-15 km
					Schoeberl	IDS-1021	10% :: 5%	1/day	200 km :: G	1 km :: Strat
					Schoeberl	IDS-1021	10% :: 5%	1/day	200 km :: G	1 km :: Strat
MODIS	AM, PM	Aerosol Optical Depth, Spectral	2293	MOD04			0.05 :: 0.02 (Ocean) 0.1 :: 0.04 (Land)	1/day	50 x 50 km :: Land; 5 x 5 km :: Ocean	N/A :: Atmos
					Cihlar	2293				
					Dickinson	2293				
					Hansen	IDS-2287	tau=0.02 ::	1/wk	500 km :: G	:: Strat
					Hansen	IDS-1001	tau=0.02 ::	1/wk	500 km :: G	:: Trop
					Hartmann	IDS-1002	tau=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
					Kerr, Sorooshian	IDS-2325	10% :: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
					Pyle	IDS-1003		2/day	:: G	:: Strat
					Sellers	IDS-2288	::			
					Sellers	IDS-1004				
MODIS	AM, PM	TBD	TBD	MOD04						
					Wielicki	TBD				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

Version 4.0 (Prepared 3/96)

Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	Precipitable Water, Near IR	1874	MOD05			10-20% :: 6% (NIR; double for LWIR)	1/day	5 km :: Land	N/A :: Atmos
					Barron	IDS-1859	3% :: 1%	1/day	30 m :: L	Column :: Trop
					Barron	IDS-1860	3% :: 1%	1/day	10 km :: R	Column :: Trop
					Harris	IDS-3439		1/day	10-25 km :: Ocean/R	
					Harris	IDS-3440	5% :: 3%	2/day	20-50 km :: Ocean/R	
					Kerr, Sorooshian	IDS-1865	10% :: 10%	2/day	50 km :: Land	Column :: Atmos
					Liu	IDS-1866	0.5 :: 0.5	1/day	25 km :: Ocean	Column :: Trop
					Murakami	IDS-1867	20% ::			
					Richey, Batista	IDS-1810	5% :: 5%	1/day	:: R	:: Trop
					Richey, Batista	IDS-1863		1/wk	1 km :: R	Column :: Trop
					Srokosz	IDS-1868	1kg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos
MODIS	AM, PM	TBD	TBD	MOD05						
					Isacks	TBD				
MODIS	AM, PM	Cloud Height, Top	1528	MOD06			50 mb :: 25 mb	2/day	0.5 deg :: G	N/A :: Cloud
					Barron	IDS-1413	100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
					Harris	IDS-3437	0.5 :: 0.3	2/day	20-50 km :: Ocean/R	
					Kerr, Sorooshian	IDS-1417	:: 0.5 km	1/hr	1 km :: Land/R	:: Cloud
					Murakami	IDS-1418	1 km ::			:: Cloud
MODIS	AM, PM	Cloud Particle Phase [King-Algorithm]	1764	MOD06			90% Conf :: 90% Conf	2/day [d,n]	5 km :: G	N/A :: Cloud
					Hartmann	IDS-1785	0.02 :: 0.02	1/day	10 km :: Ocean	N/A :: Cloud
MODIS	AM, PM	Cloud Particle Size (Effective Radius)	1780	MOD06			20% :: 5%	1/day [d]	5 km :: G	N/A :: Cloud
					Hartmann	IDS-1775	20% :: 20%	1/day	10 km :: G	0-15 km :: Cloud
MODIS	AM, PM	Cloud Cover	2081	MOD06			5% :: 3%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
					Abbott	2081				
					Barron	IDS-2049	5 :: 5	1/day	100 km :: G	N/A :: Cloud
					Hansen	IDS-2052	3% ::	1/wk	500 km :: G	:: Cloud
					Harris	IDS-3436	5-10% :: 2-5%	2/day	5-50 km :: Ocean/R	
					Kerr, Sorooshian	IDS-2075	5% :: 5%	1/day	10 km :: Land/R	N/A :: Cloud
					Liu	IDS-2055			:: Ocean	N/A :: Cloud
					Moore	IDS-2057	10% :: 10%	1/wk	1 km :: G	
					Murakami	IDS-2058	10% ::			N/A :: Cloud
					Sellers	IDS-2059		4/day	100 km ::	0.5 km :: Trop
					Simard	IDS-2056	5% ::		:: Canada/R	N/A :: Cloud
					Srokosz	IDS-2060	5% :: 1%	2/day	10 km :: Ocean [South Atlan]	N/A :: Cloud
MODIS	AM, PM	Cloud Optical Depth	2311	MOD06			10% :: 5%	1/day [d]	5 km :: G	N/A :: Cloud
					Barron	IDS-2301	3% :: 3%	1/day	100 km :: Ocean	N/A :: Cloud
					Barron	IDS-2302	3% :: 3%	1/day	10 km :: Ocean/R	N/A :: Cloud
					Harris	IDS-3445	10-20% :: 5-10%	2/day-1/day	5-50 km :: Ocean/R	
					Hartmann	IDS-2306	25% :: 0.25	1/day	10 km :: Ocean	N/A :: Cloud
					Kerr, Sorooshian	IDS-2325	10% :: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
MODIS	AM, PM	TBD	TBD	MOD06						
					Dickinson	TBD				
					Dickinson	TBD				
					Isacks	TBD				
					Wielicki	TBD				

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	O3 Total Burden	1333	MOD07			30DU :: 20DU	2/day	0.5 deg :: G (clear only)	Column :: Atmos
					Abbott	1333				
					Cihlar	1333				
					Kerr, Sorooshian	IDS-1308	5% :: 5%	1/day	25 km :: G	Column :: Atmos
					Murakami	IDS-1331	5-10% :: 2-10%			
MODIS	AM, PM	TBD	TBD	MOD07						
					Wielicki	TBD				
MODIS	AM, PM	Surface Leaving Radiance	2015	MOD09			10% ::	1/day	0.25, 0.5, 1.0 km :: Land	N/A :: Sfc
					Hartmann	IDS-1997	1% :: 0.5%	1/day	20 km :: G	N/A ::
					Kerr, Sorooshian	IDS-2014	10% :: 10%	1/wk	500 m :: Land	N/A :: Sfc
					Simard	IDS-2019	2% ::		:: Canada/R	N/A :: Sfc
MODIS	AM, PM	Albedo, Spectral, Land_sfc (Without Topography)	3665	MOD09			10% ::	1/day	1 km :: Land/R	N/A :: Sfc
					Barron	IDS-2013	1% :: 1%	1/wk	10 km :: G	N/A :: Sfc
					Hansen	IDS-2024	0.02 ::	1/wk	500 km :: Land	:: Sfc
					Hartmann	IDS-1997	1% :: 0.5%	1/day	20 km :: G	N/A ::
					Kerr, Sorooshian	IDS-2014	10% :: 10%	1/wk	500 m :: Land	N/A :: Sfc
					Sellers	IDS-1999	1% :: 10%	1/(5 day)	100 km :: Land	
					Simard	IDS-2019	2% ::		:: Canada/R	N/A :: Sfc
MODIS	AM, PM	Bidirectional Reflectance (Without Topography)	3669	MOD09			15% ::	1/(9 day)	1 km :: Land/R	N/A :: Sfc
					Kerr, Sorooshian	IDS-2042	10% :: 10%	1/seas	N/A :: Land	N/A :: Sfc
					Kerr, Sorooshian	IDS-2882		1/yr	30 m :: Land/R	:: Sfc
					Kerr, Sorooshian	IDS-2046	10% :: 10%	1/seas	N/A :: Land	N/A :: Sfc
					Kerr, Sorooshian	IDS-2046	10% :: 10%	1/seas	N/A :: Land	N/A :: Sfc
					Kerr, Sorooshian	IDS-2046	10% :: 10%	1/seas	N/A :: Land	N/A :: Sfc
					Sellers	IDS-2041			250-500 m :: Land	
					Sellers	IDS-2034				
MODIS	AM, PM	Bidirectional Reflectance (With Topography)	4332	MOD09			0.05 :: 1.15	1/(9 day)	1 km :: Land	N/A :: Sfc
					Cihlar	4332				
MODIS	AM, PM	Albedo, Spectral, Land_sfc (With Topography)	4333	MOD09			3% :: 1 %	1/day	1 km :: Land	N/A :: Sfc
					Cihlar	4333				
MODIS	AM, PM	TBD	TBD	MOD09						
					Dickinson	TBD				
					Dickinson	TBD				
					Isacks	TBD				
MODIS	AM, PM	Snow Cover	3020	MOD10			10% ::	1/day	1 km :: Land	N/A :: Sfc
					Barron	IDS-3004	5% :: 5%	1/day	30 m :: Land/L	N/A :: Sfc
					Barron	IDS-3005	5% :: 5%	1/day	10 km :: Land/R	N/A :: Sfc
					Barron	IDS-3003	5% :: 5%	1/day	100 km :: Land	N/A :: Sfc
					Dickinson	3020				
					Hansen	IDS-3009	0.02 ::	1/wk	500 km :: Land	:: Sfc
					Murakami	IDS-3014	10% ::		:: Land	N/A :: Sfc
					Sellers	IDS-3015		1/(1-4 day)	100 km ::	:: Sfc
					Simard	IDS-3026	10km ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	Land_sfc Temperature	2484	MOD11			1-4 C ::	1/day, 1/wk	1 km :: Land/G	N/A :: Sfc
					Barron	IDS-2474	1 :: 0.5	1/day	100 km :: G	N/A :: Sfc
					Barron	IDS-2472	1 :: 0.5	1/day	30 m :: Land/L	N/A :: Sfc
					Barron	IDS-2473	1 :: 0.5	1/day	10 km :: Land/R	N/A :: Sfc
					Cihlar	2484				
					Dickinson	2484				
					Hansen	IDS-2477	0.2 C ::	1/wk	500 km :: Land	:: Sfc
					Harris	IDS-3450	0.5 :: 0.2	2/day	20-50 km :: Ocean/R	
					Kerr, Sorooshian	IDS-1631	1 K :: 1 K	2/day [d,n]	500 m :: Land/R	N/A :: Sfc
					Kerr, Sorooshian	IDS-2456	0.5 K :: 0.5 K	2/day [d,n]	500 m :: Land/R	:: Sfc
					Lau	IDS-2502	1 K :: 1 K	1/(3 day)	1 km :: Land/R	N/A :: Sfc
					Moore	IDS-2535				:: Sfc
					Richey, Batista	IDS-2476		1/day	:: Land/R	N/A :: Sfc
					Schimel	IDS-1633	10% :: 1%	1/day, 1/wk	30 m :: 6 sites/L	N/A :: Sfc
					Schimel	IDS-1632	10% :: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
					Sellers	IDS-2478	::		500 m ::	
					Simard	IDS-3312	1.3 :: 1.0 ?	2/day	1 km :: R/Canada	N/A :: Sfc
					Simard	IDS-3313	1.3 :: 1.0 ?	2/day	10 km :: R/Canada	N/A :: Sfc
					Simard	IDS-3311	0.5 :: 1.0	2/day	100 m :: R/Canada	N/A :: Sfc
MODIS	AM, PM	Land_sfc Emissivity	3323	MOD11			0.02-0.5 :: 0.005-0.02	1/mon	1 km :: Land/G	N/A :: Sfc
					Cihlar	3323				
MODIS	AM, PM	TBD	TBD	MOD11						
					Dickinson	TBD				
					Isacks	TBD				
					Wielicki	TBD				
MODIS	AM, PM	Land_Cover Type	2669	MOD12			10% ::	1/(3 mon)	1 km :: Land	N/A :: Sfc
					Barron	IDS-2717	5 ? :: 5 ?	1/yr	100 km :: Land	N/A :: Sfc
					Barron	IDS-2716	5 ? :: 5 ?	1/yr	10 km :: Land/R	N/A :: Sfc
					Barron	IDS-2728	5 ? :: 5 ?	1/yr	10 km :: Land/R	N/A :: Sfc
					Dickinson	2669				
					Hansen	IDS-2764	5% ::	1/wk	500 km :: Land	:: Sfc
					Kerr, Sorooshian	IDS-2630	5% :: 5%	1/seas	:: Land/R	N/A :: Sfc
					Kerr, Sorooshian	IDS-2733		1/seas	30 m :: Land/R	:: Sfc
					Moore	IDS-2800	15% :: 15%	1/yr	1 km :: Land	:: Sfc
					Moore	IDS-2721	15% :: 15%	1/yr	1 km :: Land	:: Sfc
					Moore	IDS-2736	15% :: 15%	1/yr	1 km :: Land	:: Sfc
MODIS	AM, PM	Land_Cover Change	2761	MOD12			10% ::	1/ (3 mon)	1 km :: Land	N/A :: Sfc
					Cihlar	2761				
MODIS	AM, PM	TBD	TBD	MOD12						
					Wielicki	TBD				
MODIS	AM, PM	Vegetation Indices, NDVI	2749	MOD13			0.05 ::	1/day	0.25, 0.5 km :: Land	N/A :: Sfc
					Barron	IDS-2717	5 ? :: 5 ?	1/yr	100 km :: Land	N/A :: Sfc
					Barron	IDS-2715	5 ? :: 5 ?	1/yr	30 m :: Land/L	N/A :: Sfc
					Barron	IDS-2716	5 ? :: 5 ?	1/yr	10 km :: Land/R	N/A :: Sfc
					Barron	IDS-2739	30 m ::	1/(3 mo)	30 m :: Land/L	N/A :: Sfc
					Cihlar	2749				
					Hansen	IDS-2718	5% ::	1/wk	500 km :: Land	:: Sfc
					Hansen	IDS-2742	5% ::	1/wk	500 km :: Land	:: Sfc
					Hansen	IDS-2731	5% ::	1/wk	500 km :: Land	:: Sfc
					Murakami	IDS-2745			:: Land	N/A :: Sfc
					Simard	IDS-2788	10% ::		:: Canada/R	N/A :: Sfc
					Simard	IDS-2720	10% ::		:: Canada/R	N/A :: Sfc

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	TBD	TBD	MOD13						
					Dickinson	TBD				
					Isacks	TBD				
MODIS	AM, PM	Fire Occurance	2471	MOD14				1/day,1/(10 day), 1/mon (D/N)	1,10 km, 0.5 dg :: Land/R	N/A :: Sfc
					Cihlar	2471				
					Dickinson	2471				
					Hansen	IDS-2662	10% ::	1/wk	500 km :: Land	:: Sfc
MODIS	AM, PM	Fire Size	5365	MOD14				1/day	1,10, 50 km :: Land/R	N/A :: Sfc
					Cihlar	5365				
MODIS	AM, PM	Leaf Area (LAI)	2680	MOD15			25% ::	1/(7 day)	1 km :: Land	N/A :: N/A
					Barron	IDS-2673	0.5 :: 0.2	1/day	100 km :: Land	N/A :: Sfc
					Barron	IDS-2675	0.5 :: 0.2	1/day	30 m :: Land/L	N/A :: Sfc
					Barron	IDS-2674	0.5 :: 0.2	1/day	10 km :: Land/R	N/A :: Sfc
					Cihlar	2680				
					Dickinson	2680				
					Schimel	IDS-2678	10% :: 1%	1/wk, 1/mo	30 m :: 6 sites/L	N/A :: Sfc
					Schimel	IDS-2679	10% :: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
MODIS	AM, PM	FPAR	5367	MOD15			25% ::	1/(7 day)	1 km :: Land	N/A :: N/A
					Cihlar	5367				
MODIS	AM, PM	Evapotranspiration	3722	MOD16			25% ::	1/(7 day)	0.5 km :: Land	N/A :: N/A
					Cihlar	3722				
					Moore	IDS-3058	20% :: 20%	1/day, 1/wk	30 m :: L	:: Sfc
					Moore	IDS-3057	20% :: 20%	1/day, 1/wk	500 m :: R	:: Sfc
					Murakami	IDS-1991	0.02 ::			
					Schimel	IDS-1790	20% :: 5%	1/wk	30 m :: 6 sites/L	N/A :: Sfc
					Simard	IDS-1789			:: Canada/R	N/A :: Sfc
MODIS	AM, PM	Surface Resistance	4335	MOD16			25% ::	1/(7 day)	0.5 km :: Land	N/A :: N/A
					Cihlar	4335				
MODIS	AM, PM	Vegetation Production, Net Primary (NPP)	2703	MOD17			35% ::	1/yr	1 km :: Land	N/A :: N/A
					Barron	IDS-2715	5 ? :: 5 ?	1/yr	30 m :: Land/L	N/A :: Sfc
					Schimel	IDS-2698	20% :: 5%	1/yr	500 m :: 6 sites/L	N/A :: Sfc
MODIS	AM, PM	Photosynthesis-Respiration	3716	MOD17			25% ::	1/(7 day)	1 km :: Land	N/A :: N/A
					Brewer	3716				
MODIS	AM, PM	Level-2 Radiance, Water-leaving	2416	MOD18			5-10% :: 5% (clear water 443 nm)	1/day, 1/wk, 1/mo	1 km :: Ocean/R,L	N/A :: Sfc
					Barron	IDS-2238	10 :: 5	1/day	10 km :: R	N/A :: Sfc
					Brewer	2416				
					Harris	IDS-3447	10% :: 5%	1/day	1-20 km :: Ocean/R	
MODIS	AM, PM	Pigment Conc	2591	MOD19			100% (Global); 35% (Case I, Clear Atmos) :: TBD	1/day, 1/wk, 1/mo	20 km, 1 km? :: Ocean/G,R,L?	N/A ::
					Abbott	2591				
					Hansen	IDS-3077	2% ::	1/wk	500 km :: Ocean	:: TOO
					Harris	IDS-3458	30% :: 10%	1/day	1-20 km :: Ocean/R	
					Moore	IDS-2696	20% :: 20%	1/(16 day)	30 m :: Land/L	:: Sfc
					Moore	IDS-2695	20% :: 20%	1/(16 day)	1 km :: Land/R	:: Sfc
					Rothrock	IDS-2590		1/(2 day)	10 km :: Polar	N/A :: TOO

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	Chlorophyll Fluorescence Line Curv	2573	MOD20			25% ::	1/day, 1/wk	1 km, 20 km? :: Ocean/R,G	N/A ::
					Abbott	2573				
					Harris	IDS-3462	25% :: 5%	1/day	1-20 km :: Ocean/R	
MODIS	AM, PM	Chlorophyll Fluorescence Line Height	2575	MOD20			.004 W/m^2/sr ::	1/day, 1/wk	4 km, 1 km? :: Ocean/G,R,L?	N/A ::
					Abbott	2575				
					Harris	IDS-3462	25% :: 5%	1/day	1-20 km :: Ocean/R	
MODIS	AM, PM	Chlorophyll Fluorescence Efficiency	3211	MOD20			TBD ::	1/day, 1/wk	1 km :: Ocean/R,L	N/A ::
					Abbott	3211				
MODIS	AM, PM	Chlorophyll_a Pigment Conc, Case II	2569	MOD21			50%(0.05<[Chl]<1 ::	1/day, 1/wk, 1/mo	1 km :: Ocean-II/ R	N/A ::
					Abbott	2569				
					Harris	IDS-3454	40% :: 20%	2-10 days	0.25-1 km:: Ocean/R	
					Harris	IDS-3455	20-30% :: 10-15%	1/day	1-20 km :: Ocean/R	
					Srokosz	IDS-2563	10% :: 0.1mg	1/day	1 km :: Ocean [South Atlan]	N/A :: Sfc
MODIS	AM, PM	Chlorophyll_a Pigment Conc, Case I	2571	MOD21			30%(0.1<[Chl]<1); 60%(1<[Chl]<10); TBD([Chl]>10) ::	1/day, 1/wk, 1/mo	1 km :: Ocean-I/ L	N/A ::
					Abbott	2571				
					Brewer	2571				
					Harris	IDS-3454	40% :: 20%	2-10 days	0.25-1 km:: Ocean/R	
					Harris	IDS-3455	20-30% :: 10-15%	1/day	1-20 km :: Ocean/R	
					Srokosz	IDS-2563	10% :: 0.1mg	1/day	1 km :: Ocean [South Atlan]	N/A :: Sfc
MODIS	AM, PM	PAR, Sfc (IPAR) and Incident (IPAR)	2266	MOD22			5% ::	1/day [d]	1 km :: Ocean	N/A :: Sfc
					Abbott	2266				
					Moore	IDS-2328	20% :: 10%	1/day, 1/wk	30 m :: Land/L	
					Moore	IDS-2329	20% :: 10%	1/day, 1/wk	500 m :: Land/R	
					Schimel	IDS-2264	10% :: 1%	1/wk	30 m :: 6 sites/L	N/A :: Sfc
					Schimel	IDS-2265	10% :: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
					Schimel	IDS-2263	10% :: 1%	1/day	500 m :: 6 sites/L	N/A :: Sfc
MODIS	AM, PM	PAR, Daily	2330	MOD22			10% ::	1/day	N/A :: G	N/A :: Atmos
					Abbott	2330				
					Moore	IDS-2328	20% :: 10%	1/day, 1/wk	30 m :: Land/L	
					Moore	IDS-2329	20% :: 10%	1/day, 1/wk	500 m :: Land/R	
					Schimel	IDS-2265	10% :: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
					Schimel	IDS-2263	10% :: 1%	1/day	500 m :: 6 sites/L	N/A :: Sfc
MODIS	AM, PM	Downwelling Irradiance, Sea_sfc	5354	MOD22				1/day	1 km :: Ocean	N/A :: Sfc
					Abbott	5354				
MODIS	AM, PM	Organic Matter Conc, Dissolved	2580	MOD24			40%(open ocean best case); 100%(coastal for [Chl]<1) ::	1/day, 1/wk, 1/mon	20 km, 1 km? :: Ocean/R	N/A ::
					Abbott	2580				
					Brewer	2580				
					Harris	IDS-3457	100% :: 30%	1/day	1-20 km :: Ocean/R	

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	Organic Matter Conc, Particulate	2608	MOD24			TBD ::	1/day, 1/wk	20 km :: Ocean	N/A ::
					Abbott	2608				
MODIS	AM, PM	Coccolith Conc, Detached	2577	MOD25			25000/ml (10-20%) ::	1/day, 1/wk, 1/mon	20 km, 1 km? :: Ocean (in Coccolith Blooms)/G,R,L?	N/A ::
					Abbott	2577				
MODIS	AM, PM	Calcite Conc, Estimated	5355	MOD25				1/day, 1/wk, 1/mon	20 km, 1 km? :: Ocean (in Coccolith Blooms)/G,R,L?	N/A ::
					Abbott	5355				
MODIS	AM, PM	Pigment Conc (in Coccolithophore Blooms)	5356	MOD25				1/day, 1/wk, 1/mon	20 km, 1 km? :: Ocean (in Coccolith Blooms)/G,R,L?	N/A ::
					Abbott	5356				
MODIS	AM, PM	Quality Measure	5358	MOD25				1/day, 1/wk, 1/mon	20 km, 1 km? :: Ocean (in Coccolith Blooms)/G,R,L?	N/A ::
					Abbott	5358				
MODIS	AM, PM	Ocean Water Attenuation Coef@490nm	3199	MOD26			25% ::	1/day, 1/wk, 1/mon	20 km, 1 km? :: Ocean-I/ R,L	N/A ::
					Abbott	3199				
					Brewer	3199				
					Harris	IDS-3461	25% :: 10%	1/day	1-20 km :: Ocean/R	
MODIS	AM, PM	Ocean Water Attenuation Coef@520nm	3206	MOD26			35% ::	1/day, 1/wk	1 km :: Ocean	N/A ::
					Abbott	3206				
MODIS	AM, PM	Ocean Productivity, Primary, Daily	2602	MOD27			35% (Goal) ::	1/day, 1/wk	1 km :: Ocean-I/R,L	N/A ::
					Abbott	2602				
					Brewer	2602				
					Harris	IDS-3460	30% :: 5%	1/day	1-20 km :: Ocean/R	
MODIS	AM, PM	Ocean Productivity, Primary, Global Annual	2606	MOD27			35% (Goal) ::	1/yr	20 km :: Ocean/G,R	N/A ::
					Abbott	2606				
					Harris	IDS-3460	30% :: 5%	1/day	1-20 km :: Ocean/R	
MODIS	AM, PM	Sea_sfc Temperature (SST)	2527	MOD28			0.3-0.5 K ::	1/day, 1/wk, 1/mon	1 km :: Ocean/L	N/A :: Sfc
					Abbott	2527				
					Barron	IDS-2507	0.5 K ::	1/day	10 km :: Ocean/R	N/A :: Sfc
					Brewer	2527				
					Hansen	IDS-2512	0.2 C ::	1/wk	500 km :: Ocean	:: Sfc
					Harris	IDS-3451	0.5-1 K :: 0.2-0.3 K	1/day	0.25-1 km :: Ocean/R	
					Harris	IDS-3452	0.5-1 K :: 0.2-0.3 K	1/day	20 km :: Ocean/R	
					Hartmann	IDS-2513	0.5 K :: 0.5 K	1/day	10 km :: Ocean	N/A :: Sfc
					Kerr, Sorooshian	IDS-1631	1 K :: 1 K	2/day [d,n]	500 m :: Land/R	N/A :: Sfc
					Liu	IDS-2517	0.5 :: 0.5	1/wk	10 km :: G	N/A :: Sfc
					Murakami	IDS-2518	0.2 K ::		:: G	N/A :: Sfc
					Rothrock	IDS-2519	1 K :: 1 K	1/(2 day)	30 km :: G	N/A :: Sfc
					Srokosz	IDS-2520	0.3 K(IR) :: 0.1 K	2/day	.100-1 km :: Ocean [South Atlan]	N/A :: Sfc
MODIS	AM, PM	Sea_sfc Temperature (SST), Quality_Assessment	5359	MOD28			0.3-0.5 K ::	1/day, 1/wk, 1/mon	1 km :: Ocean/L	N/A :: Sfc
					Abbott	5359				

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	Sea_Ice Max Extent	3153	MOD29			TBD ::	1/day	1 km :: Ocean/Cryo,R	N/A :: Sfc
					Barron	IDS-3167	5% :: 5%	1/day	30 m :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3160	5% :: 5%	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3161	5% :: 5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
					Barron	IDS-3166	5% :: 5%	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
					Dickinson	3153				
					Rothrock	IDS-3189	0.05 :: 0.05	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
					Simard	IDS-3190	10km/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
					Simard	IDS-3157	25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
					Simard	IDS-3162	25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
					Simard	IDS-3196	500 m ::	1/(7 day)	500 m :: Canada/R	N/A :: Sfc
					Srokosz	IDS-3158	0.1 dg :: 0.01 dg	1/day	N/A :: Ocean/Cryo	N/A :: Sfc
MODIS	AM, PM	Temperature Profile	3726	MOD30			0.5 K :: 1.5 K	2/day	5 km :: G (clear)	:: Atmos (20 levels)
					Abbott	3726				
MODIS	AM, PM	Water Vapor Profile	3727	MOD30			5 - 50 % ::	2/day	5 km :: G (clear)	:: Atmos (15 levels)
					Abbott	3727				
MODIS	AM, PM	TBD	TBD	MOD30						
					Dickinson	TBD				
MODIS	AM, PM	Phycoerythrobilin Conc.	3320	MOD31			50% :: 15%	1/day, 1/wk, 1/mon	1 km :: Ocean /RL	N/A :: Sfc
					Abbott	3320				
					Brewer	3320				
					Harris	IDS-3458	30% :: 10%	1/day	1-20 km :: Ocean/R	
					Harris	IDS-3459	20% :: 10%	2-10 days	0.25-1 km:: Ocean/R	
MODIS	AM, PM	Phycourobilin Conc.	5360	MOD31			50% :: 15%	1/day, 1/wk, 1/mon	1 km :: Ocean /RL	N/A :: Sfc
					Abbott	5360				
MODIS	AM, PM	Constituent Inherent Optical Properties (CDOM absorption, Chlorophylous absorption, Particulate backscatter)	5361	MOD31				During overpass of validation regions	1 km :: Ocean /RL	N/A :: Sfc
					Abbott	5361				
					Brewer	5361				
MODIS	AM, PM	Match-up Databases, MODIS [in situ observations matched-up with MODIS retrievals]	3303	MOD32				1/day, 1/wk, 1/mon	N/A :: Ocean/G,R,L	N/A :: Sfc
					Abbott	3303				
MODIS	AM, PM	Snow Cover	3020A	MOD33			10% ::	1/wk	1 km :: Land	N/A :: Sfc
					Dickinson	3020A				
MODIS	AM, PM	Utility Masks, Clouds/Land/Water/Snow	3660	MOD35						
					Abbott	3660				
					Dickinson	3660				
MODIS	AM, PM	Absorption Coef, Total	3724	MOD36			25% ::			
					Abbott	3724				
MODIS	AM, PM	Absorption Coef, Gelbstof	5362	MOD36			25% ::			
					Abbott	5362				
					Brewer	5362				
MODIS	AM, PM	Aerosol Angstrom Exponent	2295	MOD37			15% ::	1/day, 1/wk, 1/mon	1 km :: Ocean/R,L	N/A :: Atmos
					Harris	IDS-3442	15% :: 5%	1/day	1-20 km :: Ocean/R	
					Moore	IDS-1008	50% ::	1/(2 day)	1 km :: G	

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
MODIS	AM, PM	Aerosol Optical Depth (@865 nm)	2344	MOD37			>20% or 0.05 ::	1/day, 1/wk, 1/mon	1 km :: Ocean/G,R,L	N/A :: Atmos
					Harris	IDS-3446	10% :: 5%	1/day	1-20 km :: Ocean/R	
					Moore	IDS-1009	50% ::	1/(2 day)	30 m :: L	
					Moore	IDS-1008	50% ::	1/(2 day)	1 km :: G	
MODIS	AM, PM	Water Vapor, Atmospheric (Thermal IR)	3725	MOD38			>20% or 5 mm ::	2/day	0.5 deg :: G (clear)	N/A :: Atmos
					Abbott	3725				
					Cihlar	3725				
MODIS	AM, PM	Land Surface Resistance Index	5368	MOD41				1/day	1 km :: Land	N/A :: N/A
					Cihlar	5368				
MOPITT	AM-1	CO Profile	1126	MOP02			10% :: 10%	1 view/0.4 s	25 km x 25 km :: G	4 km :: 0-15 km
MOPITT	AM-1	CO Profile	1126	MOP02	Grose	IDS-1116	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1117	0.10% ::	1/wk	500 km ::	:: Trop
					Moore	IDS-1118	25% :: 10%	1/day	100 km :: G	:: Trop
					Pyle	IDS-1119	15% :: 5%	2/day	15 x 4 km :: G	2 km :: Strat
					Schoeberl	IDS-1121	15% :: 5	1/day	8 x 10 dg :: G	3 km :: Mid-atmos
					Schoeberl	IDS-1120	15% :: 5	1/day	2 x 3 dg :: G	2 km :: Trop
MOPITT	AM-1	CO Column	1137	MOP02			10% :: 10%	1 view/0.4 s	25 km x 25 km :: G [d]	Column :: Atmos
					Moore	IDS-1118	25% :: 10%	1/day	100 km :: G	:: Trop
MOPITT	AM-1	TBD	TBD	MOP02						
					Dickinson	TBD				
MOPITT	AM-1	TBD	TBD	MOP05						
					Dickinson	TBD				
SAGE-III	FOO, SS	Aerosol Extinction Profiles (at 7 wavelengths)	1012	SAG02			5% :: 5%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 0-40 km
					Grose	IDS-1006	20% :: 10%	2/day	15 x 4 dg :: G	2 km :: Strat
					Hansen	IDS-2287	tau=0.02 ::	1/wk	500 km :: G	:: Strat
					Hartmann	IDS-1002	tau=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
					Kerr, Sorooshian	IDS-1007	5% :: 5%	1/day	25 km :: Land	3 km :: Atmos
					Murakami	IDS-2327	5-10% ::		:: G	N/A :: Atmos
					Schoeberl	IDS-1010	10% :: 5%	1/day	200 km :: G	1 km :: Strat
					Sellers	IDS-1004				
SAGE-III	FOO, SS	Cloud Height, Top	1437	SAG03			0.2 km :: 5%	1/(2 min), 30/day	<2 x <1 dg :: G	0.5 km :: Strat/Trop
					Grose	IDS-3307	20% :: 10%	2/day	15 x 4 dg :: G	2 km :: Strat
					Hansen	IDS-1399	50 m ::	1/wk	500 km :: G	:: Cloud
					Murakami	IDS-1418	1 km ::			:: Cloud
					Pyle	IDS-1404		2/day	:: G	:: Strat
					Rothrock	IDS-1419	0.2km :: 0.2km	1/day	100 km :: Polar	:: Cloud
SAGE-III	FOO, SS	H2O Conc & Mixing Ratio, Solar	1841	SAG04			10% :: 15%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 3-50 km
					Hansen	IDS-1864	3% ::	1/wk	500 km :: G	Column :: Strat
					Hansen	IDS-1812	3% ::	1/wk	500 km :: G	:: Atmos
					Pyle	IDS-1819	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1822	10% :: 0.05	1/day	4 x 5 dg :: G	2.5 km :: Meso
					Schoeberl	IDS-1821	10% :: 5%t,0.05s	1/day	2 x 3 dg :: G	1.5 km :: 0-Strat

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
SAGE-III	FOO, SS	NO2 Conc & Mixing Ratio, Solar	1277	SAG05			10% :: 15%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 10-50 km
					Grose	IDS-1269	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1372	2% ::	1/wk	500 km :: G	:: Trop
					Pyle	IDS-1270	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1271	10% ::	1/day	4 x 5 dg :: G	2 km :: Mid-atmos
SAGE-III	FOO, SS	NO2 Conc & Mixing Ratio, Lunar	7002	SAG05			10% :: 15%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 10-50 km
					Grose	IDS-1269	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
SAGE-III	FOO, SS	NO3 Conc and Mixing Ratio, Lunar	1282	SAG06			10% :: 10%	1/(2 min), 30/day [n]	<2 x <1 dg :: G	1 km :: 20-55 km
					Grose	IDS-1279	20% :: 10%	1/day [n]	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1280	25% :: 10%	1/day [n]	15 x 4 km :: G	3 km :: Strat
SAGE-III	FOO, SS	O3 Conc & Mixing Ratio, Solar	1321	SAG07			6% :: 5 %	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 6-85 km
					Grose	IDS-1306	2%,5% :: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
SAGE-III	FOO, SS	O3 Conc & Mixing Ratio, Solar	1321	SAG07	Hansen	IDS-1307	3% ::	1/wk	500 km :: G	:: Atmos
					Moore	IDS-1309	25% :: 10%	1/day	100 km :: G	:: Atmos
					Murakami	IDS-1310	10% ::			N/A :: TOA
					Pyle	IDS-1311	5% :: 2%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1312	10% :: 10%	1/day	4 x 5 dg :: G	2.5 km :: Trop
					Schoeberl	IDS-1313	10% :: 5%	1/day	2 x 3 dg :: G	1.5 km :: Mid-atmos
SAGE-III	FOO, SS	OClO Conc and Mixing Ratio, Lunar	1353	SAG08			20% :: 20%	1/(2 min), 30/day [n]	<2 x <1 dg :: G	3 km :: 15-25 km
					Grose	IDS-1349	20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
					Pyle	IDS-1350	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1351	20% :: 0.01	1/wk [n]	8 x 10 dg :: G	3 km :: Strat
SAGE-III	FOO, SS	Temperature Profile (O2 Conc.), Solar	1611	SAG10			2 K :: 2K	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 6-70 km
					Hansen	IDS-1573	0.3 C ::	1/wk	500 km :: G	:: Strat
					Pyle	IDS-1581	2 K :: 0.5 K	2/day	15 x 4 km :: G	2 km :: Strat
					Schoeberl	IDS-1582	2 K :: 1 K	1/day	2 x 2 dg :: G	2 km :: Atmos
					Srokosz	IDS-1584	1 K :: 0.1 K	2/day	10 km :: Ocean [South Atlan]	
SOLSTICE	FOO	Irradiance, UV Solar [1 nm res.]	2278	SOL02			3-5% :: 1%	1/hr	N/A :: N/A	N/A :: NA
					Brewer	2278				
					Grose	IDS-2271	5% :: 1%	2/day	15 x 4 dg :: G	:: TOA
					Pyle	IDS-2273	:: 1%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-2411	5% :: 2%	1/day	:: G	:: Strat
SOLSTICE	FOO	Irradiance, UV Solar [0.001 nm res.]	2277	SOL03			3-5% :: 1%	1/hr	N/A :: N/A	N/A :: NA
					Pyle	IDS-2273	:: 1%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-2411	5% :: 2%	1/day	:: G	:: Strat
SWS	ADEOS-2	Level-1B Backscatter Power	2108	SWS01					50 km :: G	N/A :: Sfc
					Srokosz	IDS-2109	0.3 dB :: 0.1 dB	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
SWS	ADEOS-2	Wind Vectors, Near_Surface	1680	SWS03			> of 2 m/s or 10% rms (speed); 20 dg rms (direction) ::	N/A	50 km :: Ocean (1600 km swaths)	N/A :: Sfc
					Abbott	IDS-1918				
					Barron	IDS-1657	1 m/s,? :: 1 m/s,?	1/day	100 km :: Ocean	N/A :: Sfc
					Barron	IDS-1653	1 m/s,? :: 1 m/s,?	1/day	10 km :: Ocean/R	N/A :: Sfc
					Harris	IDS-3434	7%,14% :: 5%,10%	2 days	100 km :: Ocean/R	N/A :: Sfc
					Harris	IDS-3433	10%,20% :: 5%,10%	1 day	25 km :: Ocran/R	N/A :: Sfc
					Hartmann	IDS-1664	2 m/s :: 2 m/s	1/day	50 km :: Ocean	N/A :: Sfc
					Liu	IDS-1702	10 dg :: 10 dg	1/day	25 km :: Ocean	N/A :: Sfc
					Liu	IDS-1713	1 :: 1	1/day	25 km :: Ocean	N/A :: Sfc
					Liu	IDS-1667	1 :: 1	1/day	25 km :: Ocean	:: Trop
					Rothrock	IDS-1670	2 m/s :: 2 m/s	1/day	25 km :: Polar	N/A :: Sfc
					Rothrock	IDS-1669	2 m/s :: 2 m/s	1/day	100 km :: Polar	N/A :: Near_sfc
					Srokosz	IDS-1716	1 m/s :: 0.1 m/s	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
					Srokosz	IDS-1684	5%,5 dg :: .01m/s,1dg	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
					Tapley	IDS-1717	1 m/s ::	8/day	1 x 1 dg :: Ocean	N/A :: Sfc
					Tapley	IDS-1745	10% ::	8/day	1 x 1 dg :: Ocean	N/A :: Sfc
TES	CHEM-1	CH4 Mixing Ratio	1089	TES03			:: 14-40 ppbv	1 (4-day survey)/mon	53 x 169 km :: G	2-6 km :: 0-33 km
					Hansen	IDS-1076		1/wk	500 km :: G	:: Trop
					Hansen	IDS-1075	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
					Pyle	IDS-1077	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1078	15% :: 0.05	1/day	2 x 3 dg :: G	1.5 km :: Strat
TES	CHEM-1	CO Mixing Ratio	1129	TES04			:: 3-15 ppbv	1 (4-day survey)/mon	53 x 169 km :: G	2-6 km :: 0-33 km
					Pyle	IDS-1119	15% :: 5%	2/day	15 x 4 km :: G	2 km :: Strat
TES	CHEM-1	HNO3 Mixing Ratio	1206	TES05			:: 3 pptv	1 (4-day survey)/mon	53 x 169 km :: G	2-3 km :: 4-33 km
					Pyle	IDS-1199	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1200	15% :: 0.1	1/day	2 x 3 dg :: G	2 km :: Strat
TES	CHEM-1	N2O Mixing Ratio	1243	TES06			:: 0.01-20 ppbv	1 (4-day survey)/mon	53 x 169 km :: G	2-6 km :: 0-33 km
					Grose	IDS-1229	15% :: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1230		1/wk	500 km :: G	:: Trop
					Schoeberl	IDS-1232	15% :: 10	1/day	2 x 3 dg :: G	2 km :: Strat
TES	CHEM-1	NO Mixing Ratio	1268	TES07			:: 15-25 pptv	1 (4-day survey)/mon	53 x 169 km :: G	2-3 km :: 4-33 km
					Grose	IDS-1262	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1263	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1264	15% :: .2s,1.0m	1/day [d]	4 x 5 dg :: G	2 km :: Mid-atmos
TES	CHEM-1	NO2 Mixing Ratio	1278	TES08			:: 500 pptv	1 (4-day survey)/mon	53 x 169 km :: G	2-3 km :: 4-33 km
					Grose	IDS-1269	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	IDS-1270	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1271	10% ::	1/day	4 x 5 dg :: G	2 km :: Mid-atmos

Appendix P. IDS Input Requirements Met by EOS Instrument (Listed by Instrument)

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
TES	CHEM-1	O3 Mixing Ratio	1325	TES09			:: 3-20 ppbv	1 (4-day survey)/mon	53 x 169 km :: G	2-6 km :: 0-33 km
					Hansen	IDS-1307	3% ::	1/wk	500 km :: G	:: Atmos
					Moore	IDS-1309	25% :: 10%	1/day	100 km :: G	:: Atmos
					Murakami	IDS-1310	10% ::			N/A :: TOA
					Pyle	IDS-1311	5% :: 2%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1312	10% :: 10%	1/day	4 x 5 dg :: G	2.5 km :: Trop
TES	CHEM-1	Temperature Profile	1616	TES10			2 K:: 0.2 K	1 (4-day survey)/mon	53 x 169 km :: G	4-6 km :: 0-33 km
					Barron	IDS-1565	1 K :: 0.5 K	1/day	10 km :: R	1 km :: Trop
					Hartmann	IDS-1575	1 :: 1	1/day	10 km :: Ocean	1 km :: 0-15 km
					Lau	IDS-1578	1 K ::	1/day	100 km :: G	1 km :: Trop
					Schoeberl	IDS-1582	2 K :: 1 K	1/day	2 x 2 dg :: G	2 km :: Atmos
					Srokosz	IDS-1584	1 K :: 0.1 K	2/day	10 km :: Ocean [South Atlan]	
TES	CHEM-1	H2O/HDO Mixing Ratio	1842	TES11			:: 0.5-50 ppmv	1 (4-day survey)/mon	53 x 169 km :: G	2-6 km :: 0-33 km
					Barron	IDS-1806	10% :: 5%	1/day	10 km :: R	:: Trop
					Grose	IDS-1811	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Trop/meso
					Hansen	IDS-1864	3% ::	1/wk	500 km :: G	Column :: Strat
					Hansen	IDS-1812	3% ::	1/wk	500 km :: G	:: Atmos
					Hansen	IDS-1813	3% ::	1/wk	500 km :: G	:: Trop
					Liu	IDS-1817	0.5 :: 0.5	1/day	25 km :: Ocean	0.5 km :: Trop
					Pyle	IDS-1819	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
					Schoeberl	IDS-1856	10% :: 10%	1/day	8 x 10 dg :: G	3 km :: Strat
					Schoeberl	IDS-1821	10% :: 5%t,0.05s	1/day	2 x 3 dg :: G	1.5 km :: 0-Strat
					Tapley	IDS-1825	5% ::	8/day	1 x 1 dg :: G	18 levels :: Atmos
TES	CHEM-1	CH4 Mixing Ratio	1089A	TES14			:: 14-40 ppbv	32 day	500 x 500 km :: G,R	Selected altitude/pressure surfaces :: 0-33 km
					Grose	IDS-1074	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1076		1/wk	500 km :: G	:: Trop
					Hansen	IDS-1075	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
					Schoeberl	IDS-1078	15% :: 0.05	1/day	2 x 3 dg :: G	1.5 km :: Strat
TES	CHEM-1	CO Mixing Ratio	1129A	TES15			:: 3-15 ppbv	32 day	500 x 500 km :: G,R	Selected altitude/pressure surfaces :: 0-33 km
					Grose	IDS-1116	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Hansen	IDS-1117	0.10% ::	1/wk	500 km ::	:: Trop
					Hansen	IDS-1117	0.10% ::	1/wk	500 km ::	:: Trop
					Schoeberl	IDS-1121	15% :: 5	1/day	8 x 10 dg :: G	3 km :: Mid-atmos
					Schoeberl	IDS-1120	15% :: 5	1/day	2 x 3 dg :: G	2 km :: Trop
TES	CHEM-1	HNO3 Mixing Ratio	1206A	TES16			:: 3 pptv	32 day	500 x 500 km :: G,R	Selected altitude/pressure surfaces :: 0-33 km
					Grose	IDS-1198	20% :: 5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos

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Instrument Output Data Product					IDS Input Requirements		Accuracy	Temporal	Horizontal	Vertical
Instrument	**Platforms**	**Parameter Name**	**Parm ID**	**Prod ID**	**Investigator**	**Parm ID**	**Abs :: Rel**	**Resolution**	**Resol. :: Cover.**	**Resol. :: Cover.**
TES	CHEM-1	N2O Mixing Ratio	1243A	TES17			:: 0.01-20 ppbv	32 day	500 x 500 km :: G,R	Selected altitude/pressure surfaces :: 0-33 km
					Grose	IDS-1229	15% :: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
TES	CHEM-1	O3 Mixing Ratio	1325A	TES20			:: 3-20 ppbv	32 day	500 x 500 km :: G,R	Selected altitude/pressure surfaces :: 0-33 km
					Pyle	IDS-1311	5% :: 2%	2/day	15 x 4 km :: G	3 km :: Strat