

### CERES PGE (Dependence) Matrix Processes

Input	1.1P1=TRMM 1.1P3=Terra 1.1P5=Aqua	1.1P2=TRMM 1.1P4=Terra 1.1P6=Aqua	1.2P1	1.3P1	1.3P2	1.3P3	2.1P1	2.2P1	2.3P1	2.3P2	2.4P1	3.1P1	3.2P1	4.1-4.0P1	4.1-4.1P1=TRMM 4.1-4.1P2=Terra	4.1-4.2P1	4.1-4.3P1	4.5-6.1P1	4.5-6.2P1	4.5-6.3P1
Level 0	D																			
QL		OD																		
1.1P1/ 1.1P3/ 1.1P5			D	D		D									H or (H*2)					
NSIDC							M							D						
1.2P1								D	D=1	D=ld										
1.3P1					M															
Spectral Response											D									
2.1P1								D	D=1	D=ld										
2.2P1												M								
2.3P1												M								
2.3P2												M								
3.1P1													(M)							
VIRS/ MODIS															H					
4.1-4.0P1															H					
4.1-4.1P1																D		H		
4.1-4.2P1															H	D	M			
4.5-6.1P1																			D	H
4.5-6P3																			D	
12.1P1															H			H		H

Note: H = Hourly, D = Daily, Hs = Synoptic {3-Hourly}, M = Monthly, M/Z = Monthly/Zonal, () = Multi-Instrument, shaded box = Alternate Input, ld = last day of month, OD= On demand

## CERES PGE (Dependence) Matrix Processes

Input	5.0P1	5.1P1	5.2P1	6.1P1	6.2P1	6.3P1	7.1P1	7.2.1 P1-8	7.2.2P1	8.1P1	9.1P1	9.2P1	9.3P1	9.4P1	10.1P1	11.1 P1-4	11.2P1	12.1P1
4.1-4.0P1		H																
4.5-6P1		H	D									H						
5.0P1		H																
5.1P1				H														
5.2P1	M																	
6.1P1					(M/Z)													
6.2P1						(M/Z)	M											
7.1.1P1								Hs										
7.2.1P1-8									D	M								
9.1P1				H			M			M		H			M			
9.2P1													(M/Z)					
9.3P1														(M/Z)	M			
ISSCP-B1																2/Sat		
11.1P1-4																	M	
11.2P1							M								M			
ECMWF/ DAO/NCEP																		D
12.1P1		H	D					Hs			M							

Note: H = Hourly, D = Daily, Hs = Synoptic {3-Hourly}, M = Monthly, M/Z = Monthly/Zonal, () = Multi-Instrument, shaded box = Alternate Input, ld = last day of month, OD = On demand

**Table 1: PGE Frequency Table per DataMonth (53 PGEs)**

PGE	Instrument Independent	TRMM	Terra	Aqua	Total/PGE
1.1P1		31			31
1.1P2		~10			~10
1.1P3			62		62
1.1P4			~10		~10
1.1P5				62	62
1.1P6				~10	~10
1.2P1		31	62	62	155
1.3P1			62	62	124
1.3P2			1	1	2
1.3P3			62	62	124
2.1P1	31				31
2.2P1		31	62	62	155
2.3P1		1	2	2	5
2.3P2		1	2	2	5
2.4P1			31	31	62
3.1P1		1	2	2	5
3.2P1			4	18	22
4.1-4.0P1	31				31
4.1-4.1P1		744			744

**Table 1: PGE Frequency Table per DataMonth (53 PGEs)**

PGE	Instrument Independent	TRMM	Terra	Aqua	Total/PGE
4.1-4.1P2			744	744	1488
4.1-4.2P1		31	62	62	155
4.1-4.3P1		1	2	2	5
4.5-6.1P1		744	1488	1488	3720
4.5-6.2P1		31	62	62	155
4.5-6.3P1		744			744
5.2P1		744	1488	1488	3720
5.3P1		31	62	62	155
5.1P1		744	1488	1488	3720
6.1P1		744	1488	1488	3720
6.2P1		1	2	2	5
6.3P1		1	6	20	27
7.1.1P1		1	6	20	27
7.2.1P1-8		248	496	496	1240
7.2.2P1		31	62	62	155
8.1P1		1	2	2	5
9.1P1	1				1
9.2P1		744	1488	1488	3720
9.3P1		1	6	20	27
9.4P1		1	6	20	27

**Table 1: PGE Frequency Table per DataMonth (53 PGEs)**

<b>PGE</b>	<b>Instrument Independent</b>	<b>TRMM</b>	<b>Terra</b>	<b>Aqua</b>	<b>Total/PGE</b>
<b>10.1P1</b>		1	6	20	27
<b>11.1-4P1</b>	8				8
<b>11.2P1</b>	1				1
<b>12.1P1</b>	31				31
<b>Total</b>	103	5694	9326	9410	24533