

## Reference : Optical Fiber System - Pravin Raybole

## Sentinel System - B. Rajendran

MCM Monitoring channels	Parameter Name	Parameter Description/ Process Area	MCM Control Bit	Parameter Name	Parameter Description/ Process Area
1	LT1NPS	Laser Transmitter -1 -5V DC Power supply	0	R0	Servo Reset 1
2	LT1AV1	Laser Transmitter -1 RF Amplifier Voltage	1	R1	Servo Reset 2
3	LT1BV2	Laser Transmitter -1 Laser Bias voltage V2	2	R2	FPS Reset 1
4	LT1BV1	Laser Transmitter -1 Laser Bias voltage V1	3	R3	NC
5	LT1APC	Laser Transmitter -1 APC indicator voltage	4	R4	MCM POWER ON Reset
6	LT1TMP	Laser Transmitter -1 Temperature	5	R5	Software Reset
7	LT2NPS	Laser Transmitter -2 -5V DC Power supply	6	R6	NC
8	LT2AV1	Laser Transmitter -2 RF Amplifier Voltage	7	R7	NC
9	LT2BV2	Laser Transmitter -2 Laser Bias voltage V2	8	RFCH1ATB1	Attenuator Bit 1 for RF-CH1
10	LT2BV1	Laser Transmitter -2 Laser Bias voltage V1	9	RFCH1ATB2	Attenuator Bit 2 for RF-CH1
11	LT2APC	Laser Transmitter -2 APC indicator voltage	10	RFCH1ATB3	Attenuator Bit 3 for RF-CH1
12	LT3NPS	Laser Transmitter -3 -5V DC Power supply	11	RFCH1ATB4	Attenuator Bit 4 for RF-CH1
13	LT3AV1	Laser Transmitter -3 RF Amplifier Voltage	12	RFCH2ATB1	Attenuator Bit 1 for RF-CH2
14	LT3BV2	Laser Transmitter -3 Laser Bias voltage V2	13	RFCH2ATB2	Attenuator Bit 2 for RF-CH2
15	LT3BV1	Laser Transmitter -3 Laser Bias voltage V1	14	RFCH2ATB3	Attenuator Bit 3 for RF-CH2
16	LT3APC	Laser Transmitter -2 APC indicator voltage	15	RFCH2ATB4	Attenuator Bit 4 for RF-CH2
17	LT4NPS	Laser Transmitter-4 -5V DC Power supply	16	D0	MCM 4 Control Line D0
18	LT4AV1	Laser Transmitter-4 RF Amplifier Voltage	17	D1	MCM 4 Control Line D1
19	LT4BV2	Laser Transmitter-4 Laser Bias voltage V2	18	D2	MCM 4 Control Line D2
20	LT4BV1	Laser Transmitter-4 Laser Bias voltage V1	19	D3	MCM 4 Control Line D3
21	LT4APC	Laser Transmitter -1 APC indicator voltage	20	D4	MCM 4 Control Line D4
22	RFCH1ATB1	Attenuator Bit 1 for RF-CH1	21	D5	MCM 4 Control Line D5
23	RFCH1ATB2	Attenuator Bit 2 for RF-CH1	22	D6	MCM 4 Control Line D6
24	RFCH1ATB3	Attenuator Bit 3 for RF-CH1	23	D7	MCM 4 Control Line D7
25	RFCH1ATB4	Attenuator Bit 4 for RF-CH1	24	D8	MCM 4 Control Line D8
26	RFCH1ATB5	Attenuator Bit 5 for RF-CH1	25	D9	MCM 4 Control Line D9
27	RFCH1ATB6	Attenuator Bit 6 for RF-CH1	26	D10	MCM 4 Control Line D10
28	RFCH2ATB1	Attenuator Bit 1 for RF-CH2	27	D11	MCM 4 Control Line D11
29	RFCH2ATB2	Attenuator Bit 2 for RF-CH2	28	D12	MCM 4 Control Line D12
30	RFCH2ATB3	Attenuator Bit 3 for RF-CH2	29	D13	MCM 4 Control Line D13
31	RFCH2ATB4	Attenuator Bit 4 for RF-CH2	30	D14	MCM 4 Control Line D14
32	RFCH2ATB5	Attenuator Bit 5 for RF-CH2	31	D15	MCM 4 Control Line D15
33	RFCH2ATB6	Attenuator Bit 6 for RF-CH2			
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51	Spare for Sentinel	Spare for Sentinel			
52	Spare for Sentinel	Spare for Sentinel			
53	Spare for Sentinel	Spare for Sentinel			
54	Spare for Sentinel	Spare for Sentinel			
55	Spare for Sentinel	Spare for Sentinel			
56	INTLOCK	Interlock status			
57	INTROPOW	Intruder sensor DC power			
58	INTRO	Intruder sensor			
59	SMOKEPOW	Smoke sensor DC power			
60	SMOKE	Smoke sensor			
61	TEMP2POW	Temp. sensor 2 DC power			
62	TEMP1POW	Temp. sensor 1 DC power			
63	TEMP2	Temp. sensor 2			
64	TEMP1	Temp. sensor 1			