

Inflight Log for GREAT Mission: 2021-02-19 GR F700

Science: GREAT configuration LFA/HFA
Dossier: GP9700233 Version A

22:31 36766 Leg 10 started

22:34 36767 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 00

22:39 Error on tuning the HFA, tuning repeated

22:40 SOFIA Cabin Temp 13.8331

22:41 36769 script time spent 6.9 min

22:42 36769 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 01

22:49 36771 script time spent 7.0 min

22:49 36771 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 02

22:50 SOFIA Cabin Temp 13.6029

22:56 36773 script time spent 7.0 min

22:56 36773 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 03

23:00 SOFIA Cabin Temp 3: 13.501

23:04 36775 script time spent 7.0 min

23:04 36775 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 04

23:10 SOFIA Cabin Temp 13.526

23:11 36777 script time spent 7.0 min

23:11 36777 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 05

23:18 36779 script time spent 7.0 min

23:18 36779 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 06

23:20 SOFIA Cabin Temp 3: 13.6224

23:25 36781 script time spent 6.9 min

23:25 36781 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 07

23:30 SOFIA Cabin Temp 3: 13.7149

23:32 36783 script time spent 7.0 min

23:32 36783 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower
L1536-EDGE-2 -2 08

23:39 36785 script time spent 7.0 min

23:40 36785 End of Leg 10

Inflight Log for GREAT Mission: 2021-02-23 GR F701

Science: GREAT configuration LFA/HFA

Dossier: GP9700234 Version A

22:11 36889 Leg 11 started

Source = L1536-EDGE-1 (6.00 km/s)

HFAV: Line = OI 63 L (4744777.490 MHz, LSB), IF 1400.032 MHz

LFAV: Line = CII U (1900536.900 MHz, USB), IF 1300.000 MHz

LFAH: Line = CII U (1900536.900 MHz, USB), IF 1300.000 MHz

22:13 36890 L1536-EDGE-1 raw-cli-commands 42 kft

22:15 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-
EDGE-1 -1 00 43 kft

22:17 SOFIA Cabin Temp 15.973

22:22 36892 script time spent 7.0 min

22:22 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-
EDGE-1 -1 01

22:23 36893 L1536-EDGE-1 singlepoint totalpower inpar singlepoint totalpower
L1536-EDGE-1 -1 01 43 kft

22:27 SOFIA Cabin Temp 15.8715

22:30 36894 script time spent 7.0 min

22:30 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-
EDGE-1 -1 02

36895 L1536-EDGE-1 singlepoint totalpower inpar singlepoint totalpower
L1536-EDGE-1 -1 02 43 kft

22:37 36896 script time spent 7.0 min

22:37 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-
EDGE-1 -1 03

36897 L1536-EDGE-1 singlepoint totalpower inpar singlepoint totalpower
L1536-EDGE-1 -1 03 43 kft

22:37 SOFIA Cabin Temp 16.0786

22:44 36898 script time spent 7.1 min

22:44 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1_04

36899 - 36900 L1536-EDGE-1 singlepoint totalpower inpar singlepoint
totalpower L1536-EDGE-1 -1 04 43 kft

22:47 SOFIA Cabin Temp 16.1123

22:51 36900 script time spent 7.0 min

22:51 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 05

36901 - 36902 L1536-EDGE-1 singlepoint totalpower inpar singlepoint
totalpower L1536-EDGE-1 -1 05 43 kft

22:57 SOFIA Cabin Temp 15.6551

22:58 3 6902 script time spent 7.0 min

22:58 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 06

36903 - 36904 L1536-EDGE-1 singlepoint totalpower inpar singlepoint
totalpower L1536-EDGE-1 -1 06 43 kft

23:06 36904 script time spent 7.0 min

23:06 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 07

36905 - 36906 L1536-EDGE-1 singlepoint totalpower inpar singlepoint
totalpower L1536-EDGE-1 -1 07 43 kft

23:07 SOFIA Cabin Temp 15.7053

23:13 36906 script time spent 7.1 min

23:13 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 08

36907 - 36908 L1536-EDGE-1 singlepoint totalpower inpar singlepoint
totalpower L1536-EDGE-1 -1 08 43 kft

23:17 SOFIA Cabin Temp 3: 15.9788

23:20 36908 script time spent 7.1 min

23:20 script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 09

36909 - 36910 L1536-EDGE-1 singlepoint totalpower inpar singlepoint
totalpower L1536-EDGE-1 -1 09 43 kft

23:27	SOFIA Cabin Temp 16.1678
23:27	36910 script time spent 7.1 min
23:28	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 10
	36911 - 36912 L1536-EDGE-1 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-1 -1 10 43 kft
23:35	36912 script time spent 7.1 min
23:35	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 11
	36913 - 36914 L1536-EDGE-1 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-1 -1 11 43 kft
23:37	SOFIA Cabin Temp 3: 16.3983
23:42	36914 script time spent 7.0 min
23:42	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 12
	36915 - 36916 L1536-EDGE-1 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-1 -1 12 43 kft
23:47	SOFIA Cabin Temp 3: 16.1435
23:48	spikes are still there. Some components seem to vary periodically with 1.25 Hz, which is approximately the cryocooler frequency. This is the same in PX04.
	In PX05, the continuum in the lower 1000 channels varies as well, although not clearly periodically.
23:49	36916 script time spent 7.1 min
23:49	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536-EDGE-1 -1 13
	36917 - 36918 L1536-EDGE-1 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-1 -1 13 43 kft
23:51	36918 ended after one repetition
23:51	36918 Paused at the scan number of 36918:4
23:51	36918 script time spent 2.0 min
23:52	36918 Interrupted at the scan number of 36918:4
23:52	36918 End of Leg 11

21:51 37984 - 37985 L1536-EDGE-2 singlepoint totalpower inpar singlepoint
totalpower L1536-EDGE-2 -2 12 40 kft

21:51	SOFIA Cabin Temp 3: 16.3 C
21:58	37985 script time spent 7.0 min
21:58	37986 - 37987 L1536-EDGE-2 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-2 -2 13 40 kft
22:01	SOFIA Cabin Temp 3: 16.3 C
22:05	37987 script time spent 7.1 min
22:05	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536- EDGE-2 -2 14
	37988 - 37989 L1536-EDGE-2 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-2 -2 14 40 kft
22:11	SOFIA Cabin Temp 3: 16.1 C
22:12	37989 script time spent 7.1 min
22:12	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536- EDGE-2 -2 15
	37990 - 37991 L1536-EDGE-2 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-2 -2 15 40 kft
22:19	37991 script time spent 7.1 min
22:19	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536- EDGE-2 -2 16
	37992 - 37993 L1536-EDGE-2 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-2 -2 16 40 kft
22:21	SOFIA Cabin Temp 3: 16.2 C
22:27	37993 script time spent 7.0 min
22:27	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536- EDGE-2 -2 17
	37994 - 37995 L1536-EDGE-2 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-2 -2 17 40 kft
22:31	SOFIA Cabin Temp 3: 16.2 C
22:34	37995 script time spent 7.0 min
22:34	script starts: singlepoint totalpower.sh -f inpar singlepoint totalpower L1536- EDGE-2 -2 18
	37996 - 37997 L1536-EDGE-2 singlepoint totalpower inpar singlepoint totalpower L1536-EDGE-2 -2 18 40 kft

22:37 37997 Paused at the scan number of 37997:8

22:37 37997 script time spent 3.2 min

22:38 37997 End of Leg 5