

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1996 年 09 月 25 日 Y+ 1313 KSC 当番: S.Yamauchi, Y.Terashima and K.Kikuchi

Hale Bopp → Comet Tabur #1 → #2 → #3 → #4 → #5

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5												
Pass No.	960925-0309	960925-0412	960925-0515	960925-0619	960925-0722												
Operation	X-REP SBR-A-RNG OP/OG-10 WRT TCU-MEM DE-0-ADRS-OF OP-START RNG-OFF	X-REP STAR-04 WRT BDR-STOP XREP S-CTLG-CHK OBSERVE CPU2/3-STOP CPU2/3-RST BDR-STOP	X-REP BDR-STOP X-REP BDR-STOP	X-REP SBR-A-RNG CPU2/3-STOP CPU2/3-RST GIS-MEM RNG-OFF	X-REP												
Target	Hale Bopp	Hale Bopp	Hale Bopp	Hale Bopp	Hale Bopp												
AOS(UT)	04:02:36	05:43:57	07:25:35	09:07:03	10:48:58												
LOS(UT)	04:14:47	05:56:06	07:37:48	09:18:56	10:59:00												
Max-El	33.949°	79.589°	Zenith	38.266°	11.100°												
Time	04:08:26	05:49:40	—	09:12:24	10:53:22												
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)												
Rep-start	04:03:09	05:44:30/05:50:05	07:26:09/07:31:47	09:07:46	10:50:01												
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS/GIS/OBS	OBS												
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing												
SUN-pos θ_s/ϕ_s	11.44°/329.22°	11.52°/329.31°	11.58°/329.50°	11.65°/329.41°	11.70°/329.54°												
Attitude	$\begin{bmatrix} 262.61571^\circ \\ 95.17047^\circ \\ 174.03801^\circ \end{bmatrix}$	$\begin{bmatrix} 262.61559^\circ \\ 95.17091^\circ \\ 174.03831^\circ \end{bmatrix}$	$\begin{bmatrix} 262.61596^\circ \\ 95.17079^\circ \\ 174.03861^\circ \end{bmatrix}$	$\begin{bmatrix} 262.61634^\circ \\ 95.17102^\circ \\ 174.03919^\circ \end{bmatrix}$	$\begin{bmatrix} 262.61612^\circ \\ 95.17110^\circ \\ 174.03822^\circ \end{bmatrix}$												
OP-start(CE)	04:12:03 (00h)	Cont (0Bh)	Cont (17h)	Cont (23h)	Cont (2Dh)												
GIS HAM ERR	OK	ERR → Reset	OK	ERR → Reset	OK												
ACS ERR	—	—	—	—	—												
SIS-mode	Faint 1212/3030	Faint 1212/3030	Faint 1212/3030	Faint 1212/3030	Faint 1212/3030												
S0/1-TECT	-38.32/-38.26°C	-37.89/-37.87°C	-36.92/-37.00°C	-35.75/-35.88°C	-34.54/-34.76°C												
S0/1-CCDT	-61.67/-61.77°C	-61.67/-61.77°C	-61.67/-61.77°C	-61.67/-61.77°C	-61.62/-61.67°C												
GIS-mode	PH(10-8-8-5-0)	PH(10-8-8-5-0)	PH(10-8-8-5-0)	PH(10-8-8-5-0)	PH(10-8-8-5-0)												
GIS LD Hit	25/25 cps	27/28 cps	29/27 cps	29/26 cps	25/26 cps												
P	X	Y	R	S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	CalCnt	CalTim	RT	Pk
10	8	8	5	0	FLF	2	3/4	48	159	218	12.5	6.5	383.03	266	3486	183.81	
Pass: 960925-0309							3/4	40	159	218	12.0		413.49	244	3486	181.07	

SIS Mode Changes: Faint/Bright 1212/3030

GIS Mode Changes: PH 10-8-8-5-0-0

Battery Condition (min/max)

BAT_V-A	BAT_V-B	BAT_I-A	BAT_I-B	BAT_T-A	BAT_T-B
19.30/23.30	19.40/23.30	-4.77/4.75	-4.77/4.78	4.82/9.03	4.82/44.16

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
09/25 13:20	Comet Tabur#1	4	(97.1380 , 21.6590)	(96.9443 , 68.4276 , 339.3443)
09/25 17:15	Comet Tabur#2	5	(97.2957 , 21.8988)	(97.1026 , 68.2398 , 339.2684)
09/25 18:40	Comet Tabur#3	6	(97.4075 , 21.9830)	(97.2099 , 68.1075 , 339.2189)
09/25 20:20	Comet Tabur#4	1	(97.5854 , 22.1958)	(97.3895 , 67.8945 , 339.1354)
09/25 23:40	Comet Tabur#5	2	(97.8309 , 22.4887)	(97.6330 , 67.6018 , 339.0207)

Comment: 本日の運用: Hale Bopp comet was observed (TOO). We could not find clear peak in the quick look analysis. PASS 3 では max elevation が 79° を越えていたので、BDR を一時ストップをしました。PASS 5 では可視時間が短かったので、repro が終了するかどうか微妙でしたが、ぎりぎりまで粘ってもらって、何とか repro 終了は確認できました。でも最後の方は消感近くのため受信レベルが不安定で、若干切れている可能性があります。次の DSN での repro data から何とか回収できないでしょうか。(山内 S) ちゃんと来ました。(寺島) Hale Bopp、神眼で見るとみえるのか? (菊池)