

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

94 年 6 月 20 日 Y+ 485 KSC 当番: Y.Ikebe 、 K.Okada, Y.Terashima

NGC4631→A2390

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5					
Pass No.	940620-0101	940620-0205	940620-0308	940620-0411	940620-0515					
Operation	X REP OP/OG-15 RAM TCU MEM CPU 2/3 STP CPU 2/3 RST OP STRT	XREP SBR-A RNG STR-01 RAM S-CTLG CHK OBSERVE MODE RNG OF	X REP BDR STOP X REP BDR STOP	X REP BDR STP X REP BDR STP	X REP SBR-A RNG CPU2/3 STP CPU2/3 RST GIS MEM RNG OF					
Target	NGC4631	NGC4631	NGC4631	NGC4631	NGC4631					
AOS(UT)	00:25:06	02:05:31	03:47:09	05:29:04	07:10:48					
LOS(UT)	00:35:58	02:18:19	03:59:57	05:41:25	07:22:35					
Max-El Time	10.432 00:30:35	35.974 02:17:59	Zenith —	Zenith —	38.409 07:16:09					
Rep-band(stat.)	X (Completed)	X (Completed)	X (Completed)	X (Completed)	X (Completed)					
Rep-start	00:26:41	02:06:59	03:48:08/03:53:42	05:29:51/05:35:35	07:11:52					
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS	OBS/MEM/OBS					
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing					
ACS-spn/ θ_s ϕ_s	2.92°, 355.12°	3.00°, 354.75°	3.06°, 353.87°	3.11°, 353.98°	3.17°, 353.14°					
Attitude	$\begin{bmatrix} 190.771 \\ 57.486 \\ 153.452 \end{bmatrix}$	$\begin{bmatrix} 190.770 \\ 57.485 \\ 153.455 \end{bmatrix}$	$\begin{bmatrix} 190.770 \\ 57.486 \\ 153.455 \end{bmatrix}$	$\begin{bmatrix} 190.770 \\ 57.486 \\ 153.454 \end{bmatrix}$	$\begin{bmatrix} 190.770 \\ 57.486 \\ 153.454 \end{bmatrix}$					
OP-start(CE)	00:31:00 (00h)	Cont (07h)	Cont (0Eh)	Cont (15h)	Cont (1Dh)					
GIS HAM ERR	ERR	NORM	NORM	NORM	NORM					
ACS ERR	—	—	—	—	—					
SIS-mode	Faint/Faint 0101/2323	Faint/Faint 0101/2323	Faint/Faint 0101/2323	Faint/Faint 0101/2323	Faint/Faint 0101/2323					
S0/1-TECT	−38.81/−38.75	−39.00/−38.99	−37.58/−39.62	−39.00/−39.01	−37.50/−37.63					
S0/1-CCDT	−61.67/−61.77	−61.71/−61.81	−61.71/−61.81	−61.71/−61.81	−61.71/−61.81					
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	19cps/20cps	24cps/27cps	28cps/30cps	26cps/28cps	26cps/24cps					
P X Y R S	Pos	MErr	HV_HL	Gain	RT-L RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
10 8 8 5 0	FLF	NONE	3/4	48	159 218	12.0	11.4	405.83	183.67	2643
Pass: 9406200101			3/4	40	159 218	6.0		426.92	181.53	2579
GIS Mode Changes: 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
20.00/23.40	20.10/23.50	−4.08/4.73	−4.21/4.76	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α , δ)	(ϕ , θ , ψ)
06/20 12:00	A2390	5	(328.3917 , 17.6669)	(328.2602 , 72.4959 , 33.4129)

Comment: Obtained image of NGC4631 has diffuse emission feature as well as two point like sources. The energy spectrum seems not to be expressed with simple model. 横向き渦巻銀河 NGC4631 からなかなか興味深い絵およびスペクトルがとれました。牧島先生 (PI) の話しによると、電波でみられている磁場が熱いコロナを形成して X 線で銀河円盤から垂直に延びる熱的放射が見えるのではないかと、このことでデータはその期待に答えているようです。(Y.Ikebe) 今日は昨日に引続き良い天気でした。(K.O) 無事に着きました。(Terashima)