

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1025 - L2 Version 001
Chandra X-Ray Center

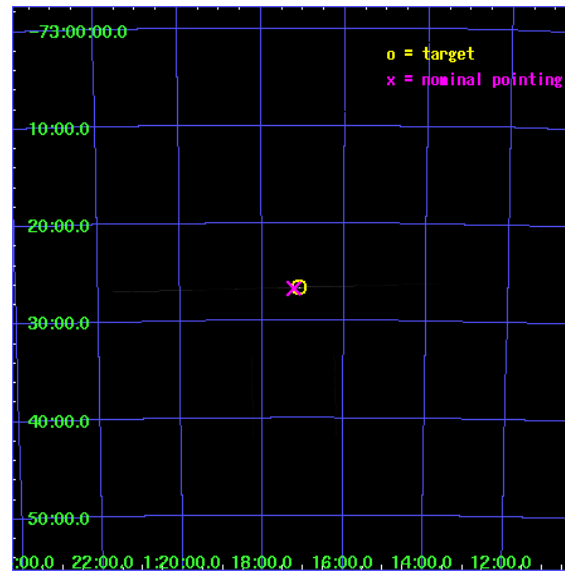
L2 Processing Date : Jun 12 2007

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1 Front

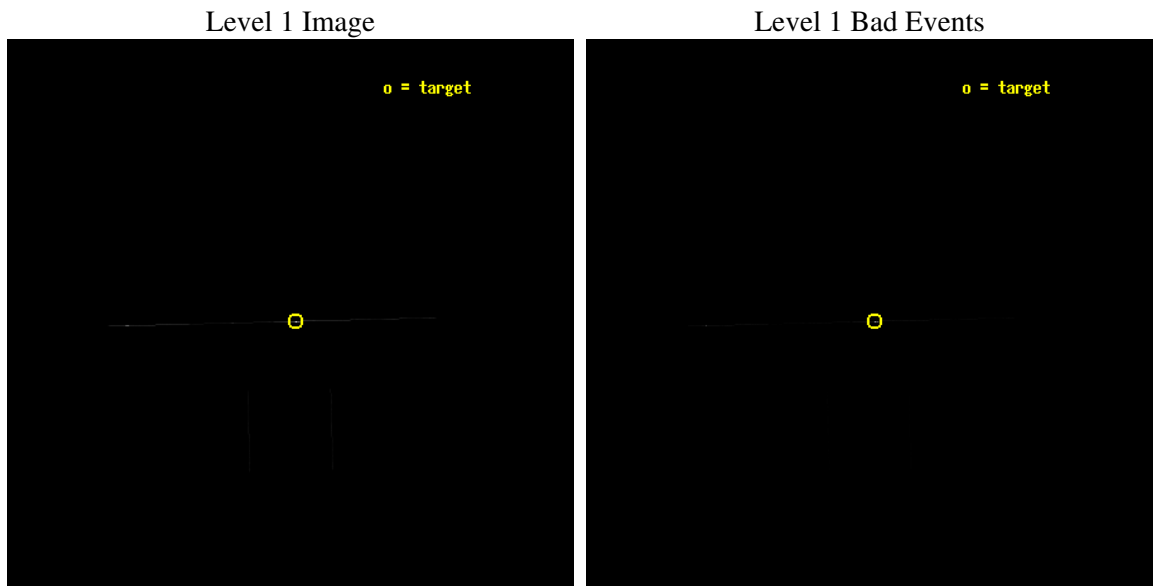
seq_num	400103
obs_id	1025
title	HIGH RESOLUTION UV/X-RAY SPECTROSCOPY OF SMC X-1
observer	Dr. Saeqa Vrtilek
object	SMC X-1
ra_targ	19.271667
dec_targ	-73.442944
ra_nom	19.305649267113
dec_nom	-73.444941760241
roll_nom	358.48479387666
revision	5
ontime	6128.372677207
livetime	6104.4337214367
ontime2	6128.3718213588
ontime3	6128.37316598
ontime5	6129.8317407966
ontime6	6129.8317401111
ontime7	6128.372677207
ontime8	6128.3726769388
l2events	421637



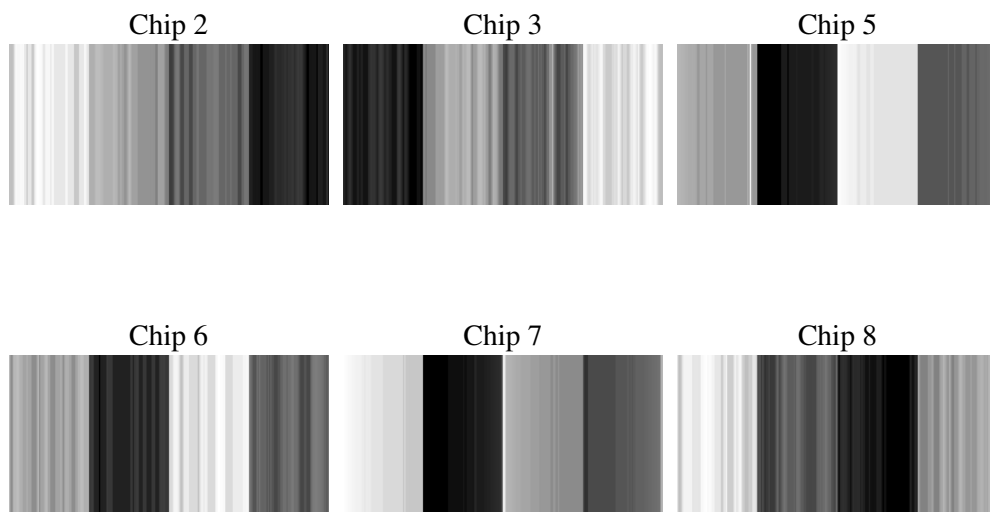
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-12T09:57:10
revision	5

sched_exp_time	6000.000000
ontime	6128.372677207
ontime2	6128.3718213588
ontime3	6128.37316598
ontime5	6129.8317407966
ontime6	6129.8317401111
ontime7	6128.372677207
ontime8	6128.3726769388
l1events	536649

2.1.4 Events

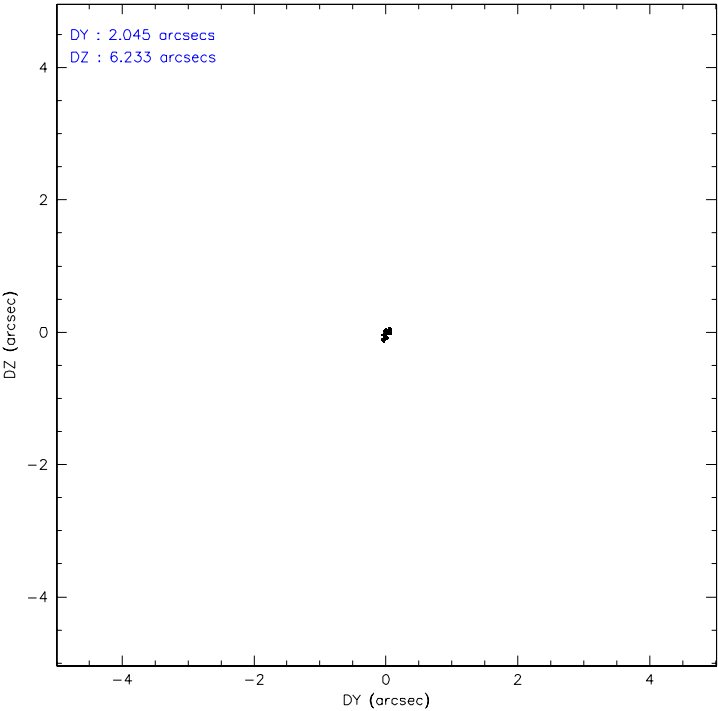
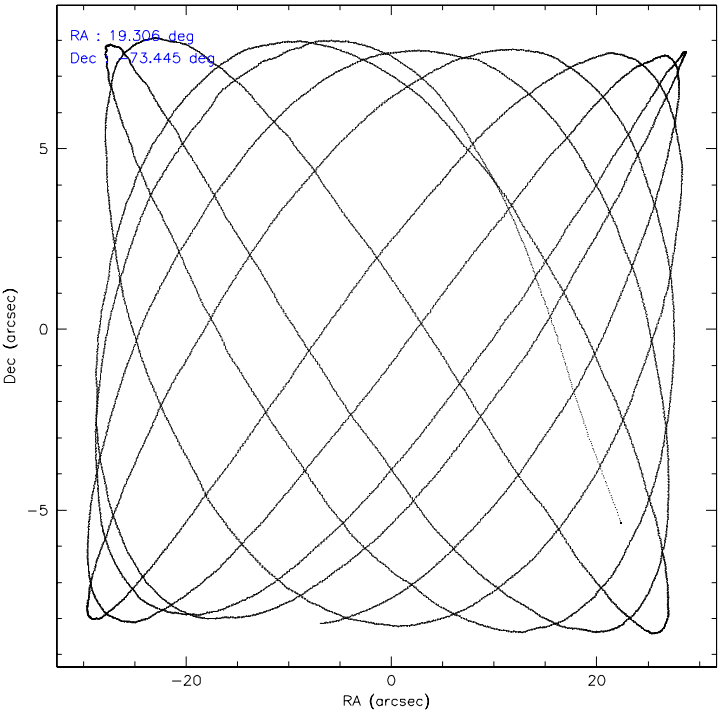
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	8666	9843	44535	13636	442213	17756
rejected events	2265	2554	10081	4831	68060	4254
rejected %	26%	25%	22%	35%	15%	23%

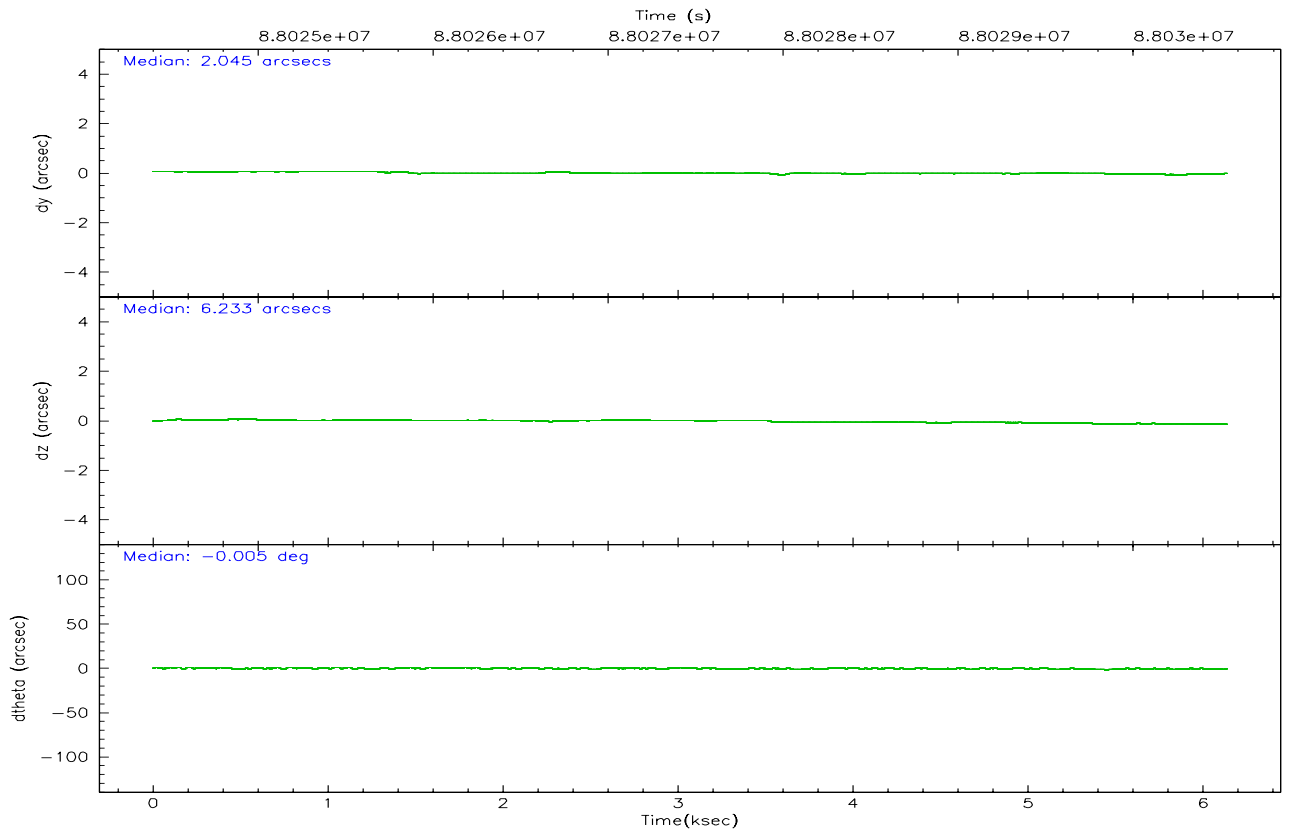
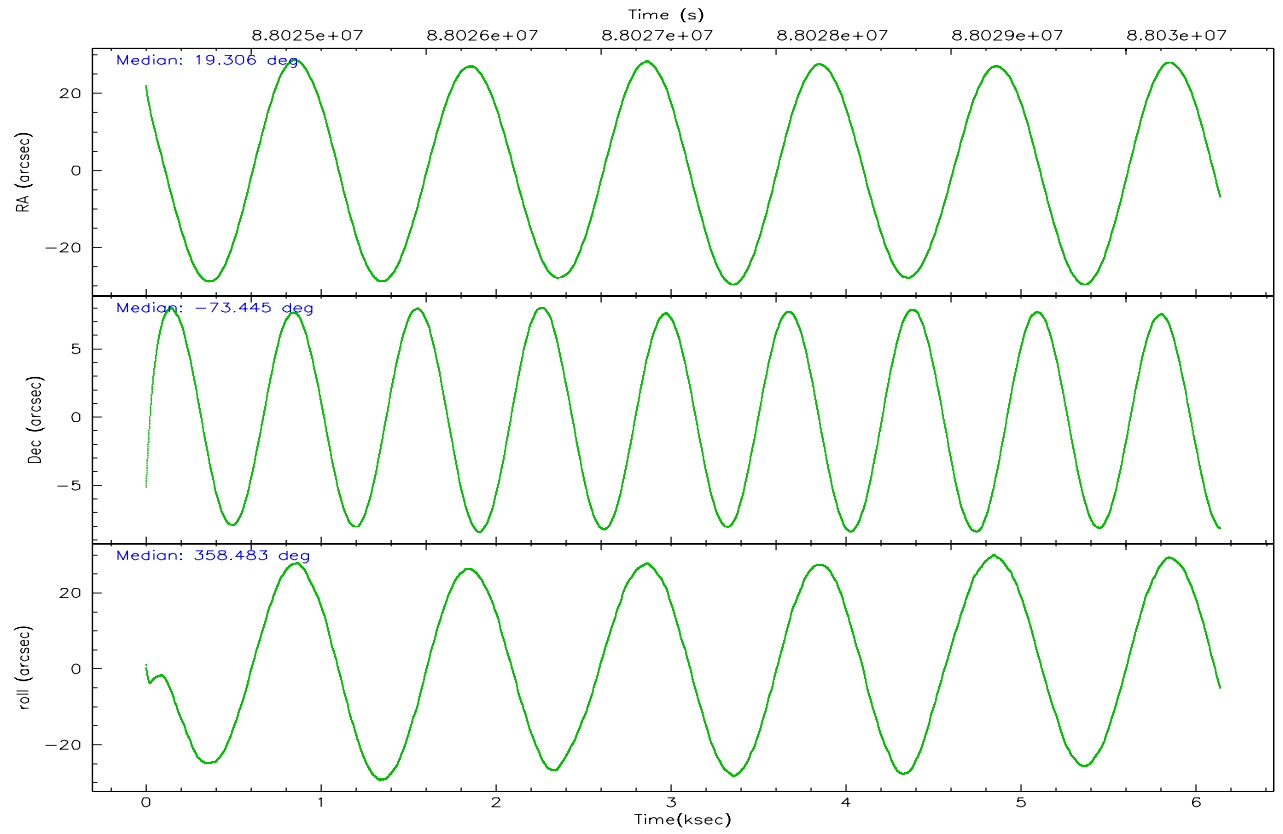
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	928	1103	12432	2260	82882	2791
	10%	11%	27%	16%	18%	15%
grade 1 events	24	24	53	81	11348	48
	0%	0%	0%	0%	2%	0%
grade 2 events	2727	3057	10359	5113	102909	5086
	31%	31%	23%	37%	23%	28%
grade 3 events	1133	1422	994	1250	39366	1937
	13%	14%	2%	9%	8%	10%
grade 4 events	1103	1224	980	1216	37886	1862
	12%	12%	2%	8%	8%	10%
grade 5 events	1316	1467	3812	1728	42744	2133
	15%	14%	8%	12%	9%	12%
grade 6 events	1435	1546	15905	1988	125078	3899
	16%	15%	35%	14%	28%	21%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	19.221471	19.30564926711275	Subarray requested	NONE	NONE
Pointing Dec	-73.458181	-73.4449417602407	Alternating exposures requested	N	N
Pointing Roll	358.247493	358.4847938766605	Primary exposure time	0.000000	0
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Phase constraints	Y	Y			
Phase period	3.892000	3.892000			
Phase epoch	50141.466800	50141.466800			
Phase start	0.000000	0.000000			
Phase end	0.800000	0.800000			
Phase start error	0.050000	0.050000			
Phase end error	0.050000	0.050000			
Observation start time	88024538.184000	88023442.684808			
Observation start date	2000-10-15T19:14:34	2000-10-15T18:57:22			
Observation end time	88030538.184000	88031502.772613			
Observation end date	2000-10-15T20:54:34	2000-10-15T21:11:42			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



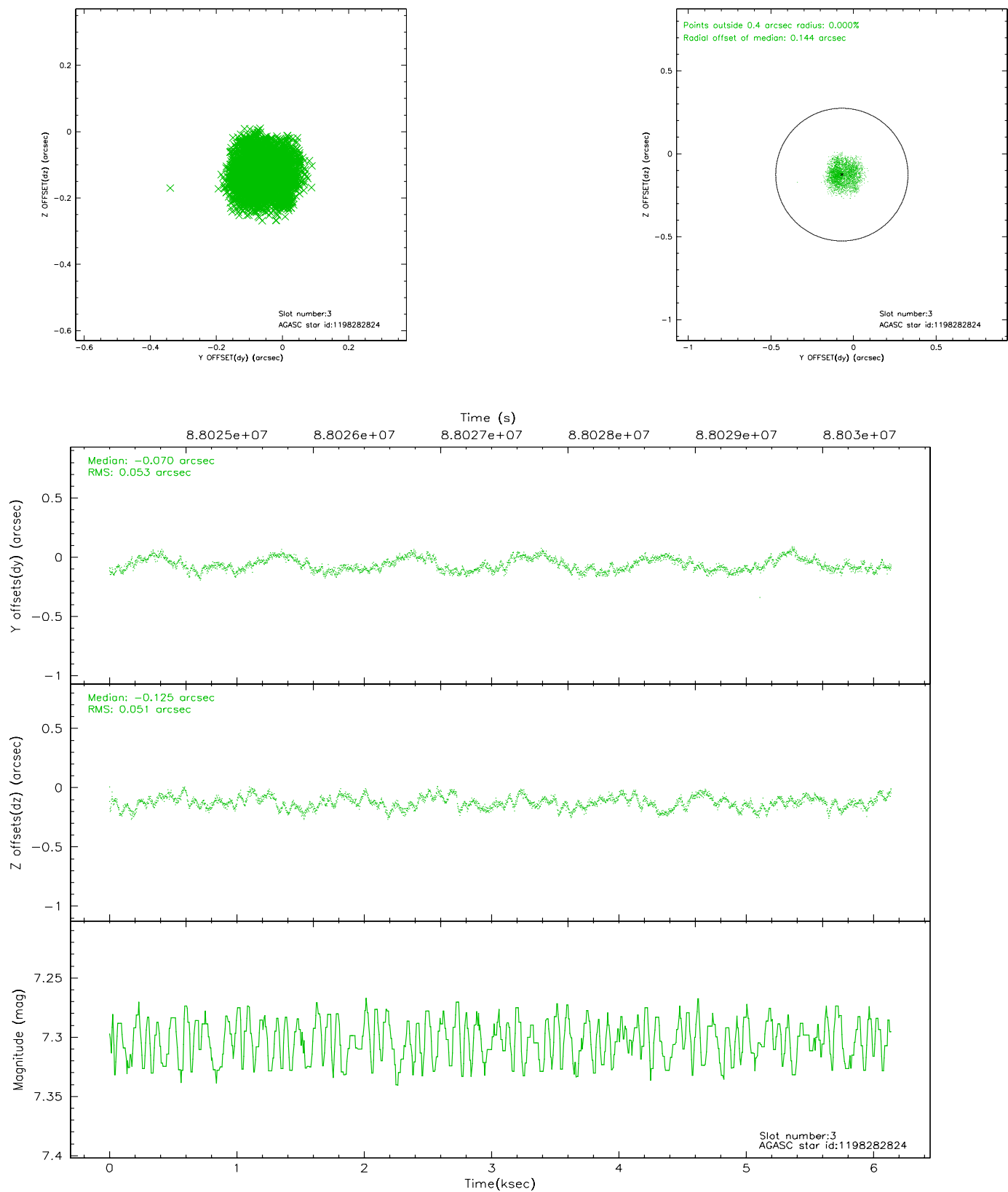


Slot Statistics

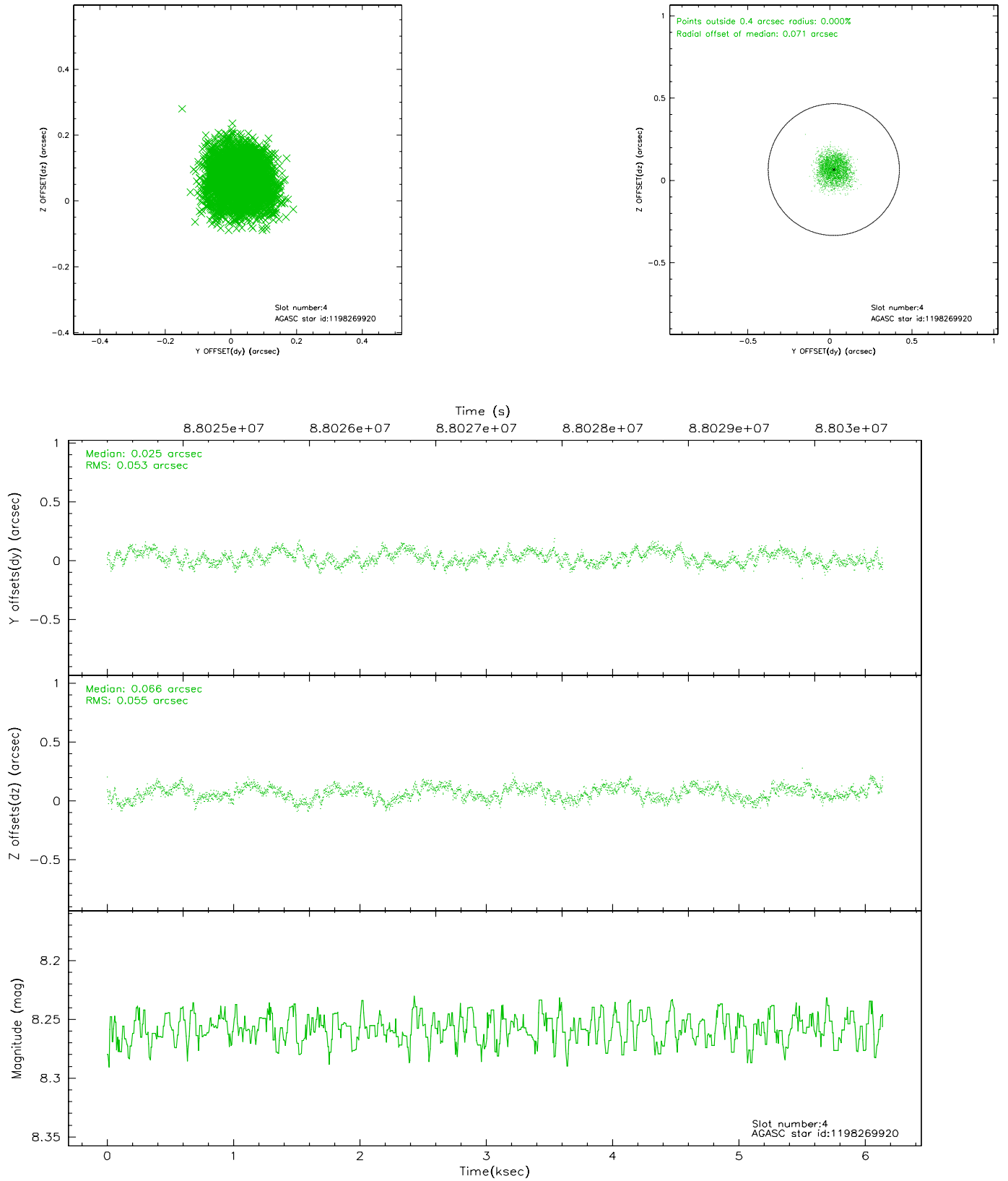
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1495	-0.030	0.026	0.007	0.011	0.000000	0.000000	-754.68	-1727.34
1	FID	ACIS-S-4	7.20	1495	-0.055	0.007	0.005	0.009	0.000000	0.000000	2158.12	180.17
2	FID	ACIS-S-5	7.24	1495	0.053	-0.025	0.006	0.011	0.000000	0.000000	-1806.21	174.86
3	GUIDE	1198282824	7.30	2993	-0.070	-0.125	0.082	0.121	18.044095	-73.907062	-1125.27	-1662.93
4	GUIDE	1198269920	8.26	2992	0.025	0.066	0.083	0.125	20.316466	-73.033728	1102.11	1551.50
5	GUIDE	1198275224	9.64	2992	-0.098	-0.028	0.109	0.174	16.880121	-73.921864	-2280.71	-1785.30
6	GUIDE	1198272400	9.16	2991	0.083	-0.002	0.079	0.125	20.411923	-73.620598	1224.68	-560.10
7	GUIDE	1198264832	9.49	2990	0.068	0.111	0.234	0.323	20.353668	-72.974637	1139.54	1765.09

2.4 Star Slots

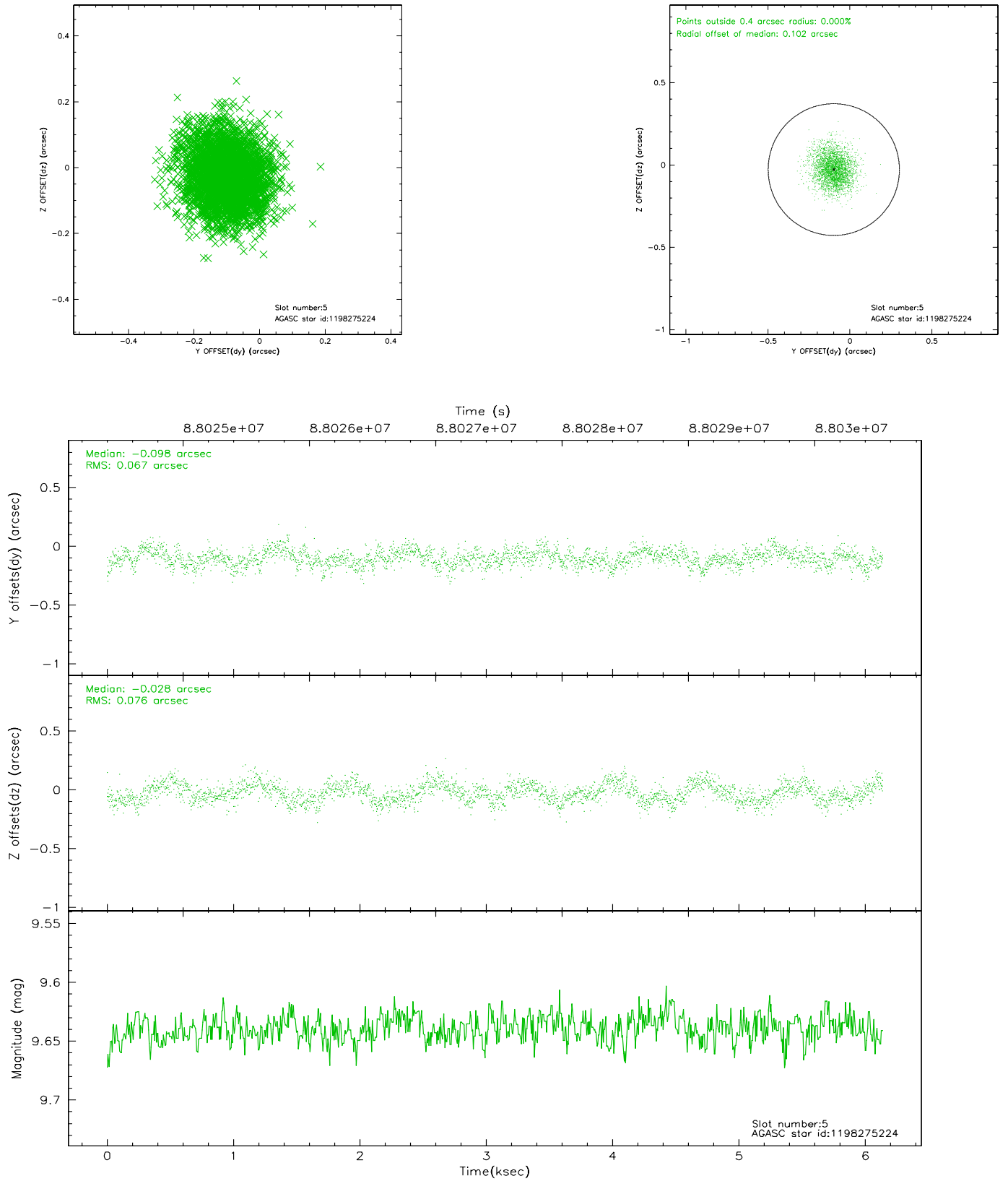
2.4.1 Slot 3



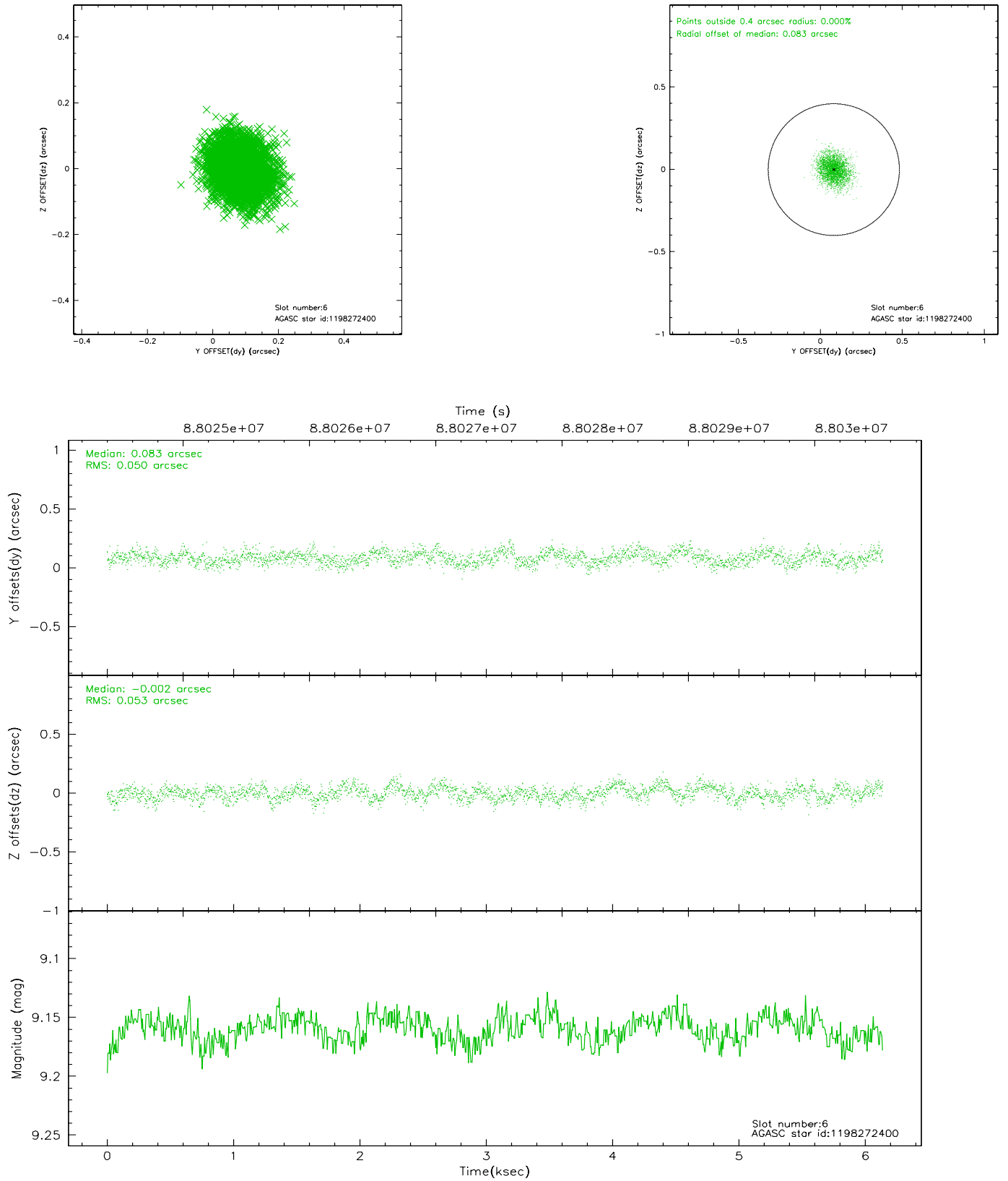
2.4.2 Slot 4



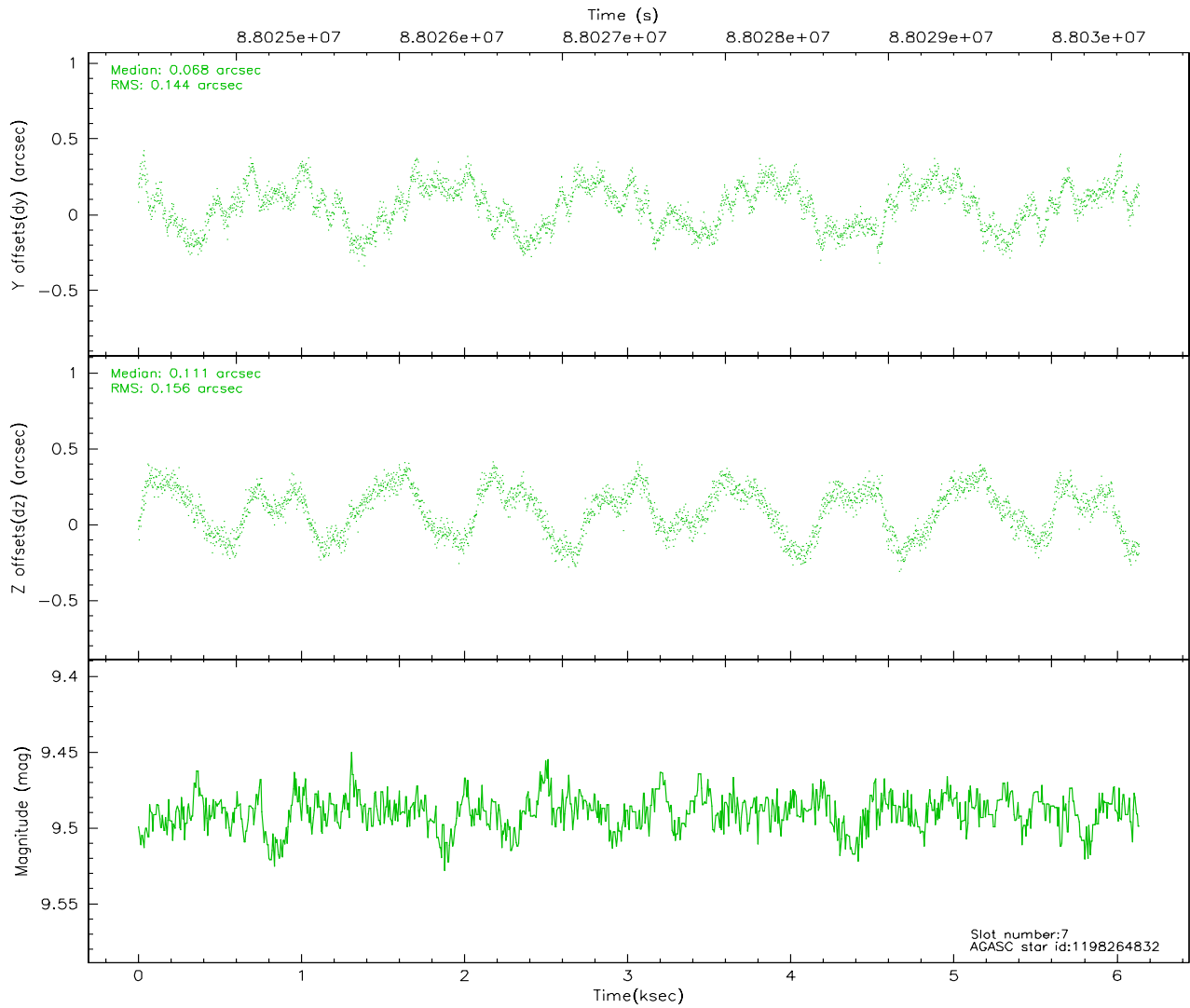
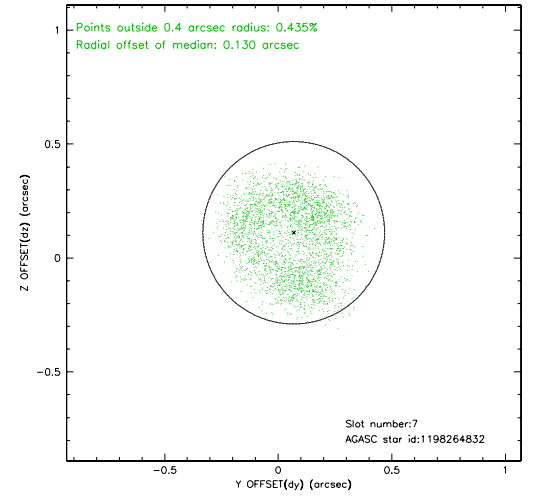
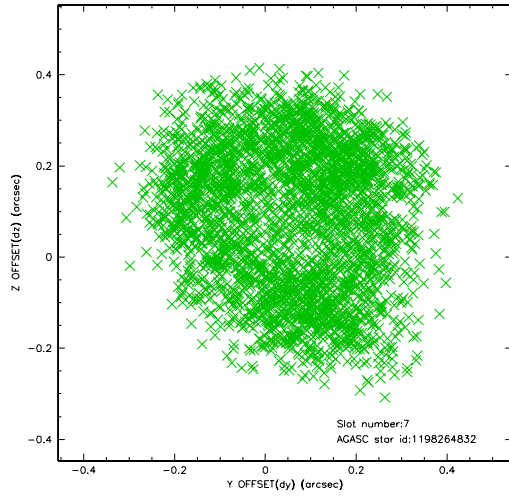
2.4.3 Slot 5



2.4.4 Slot 6

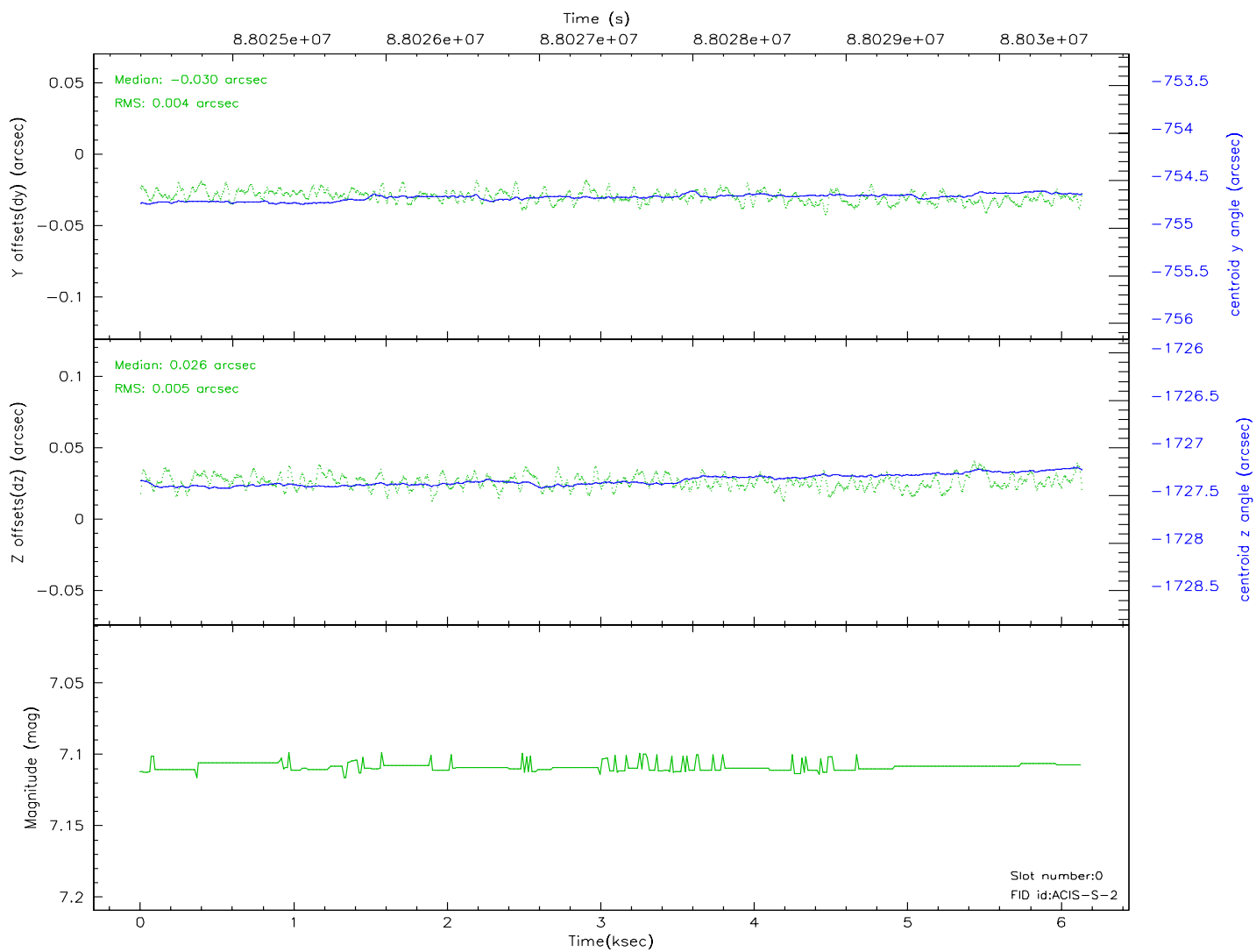
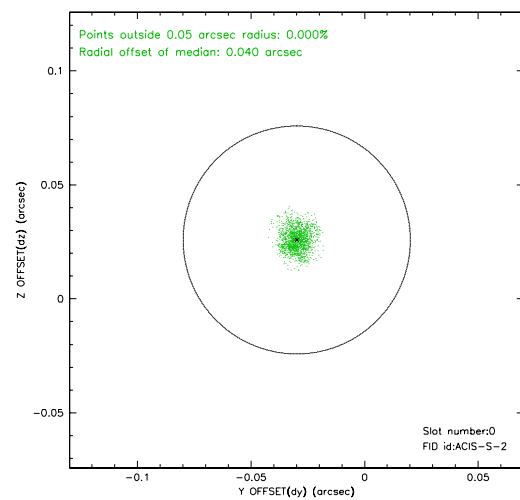
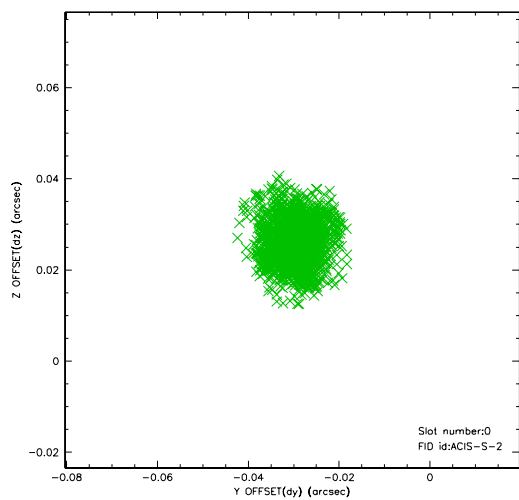


2.4.5 Slot 7

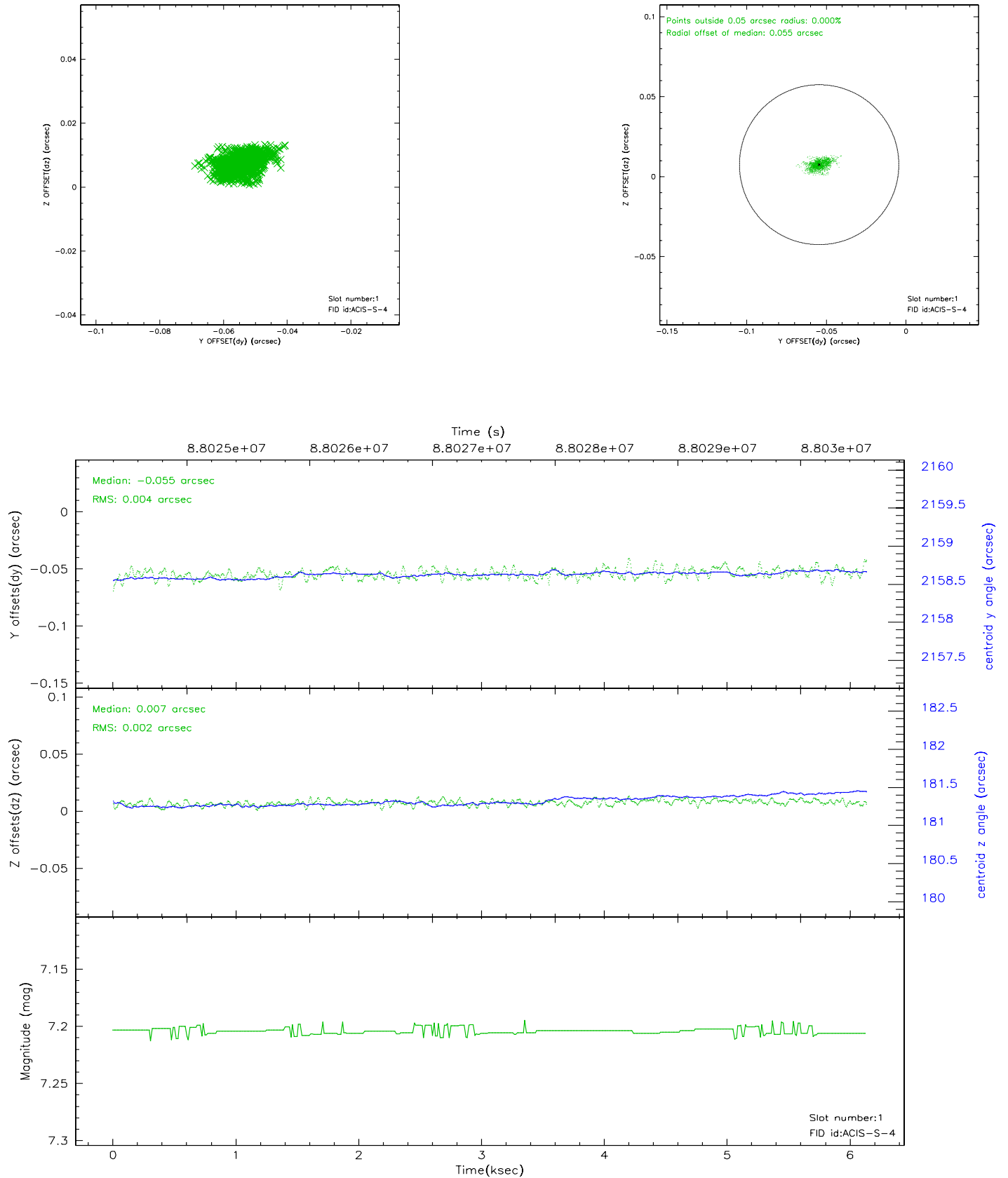


2.5 FID Slots

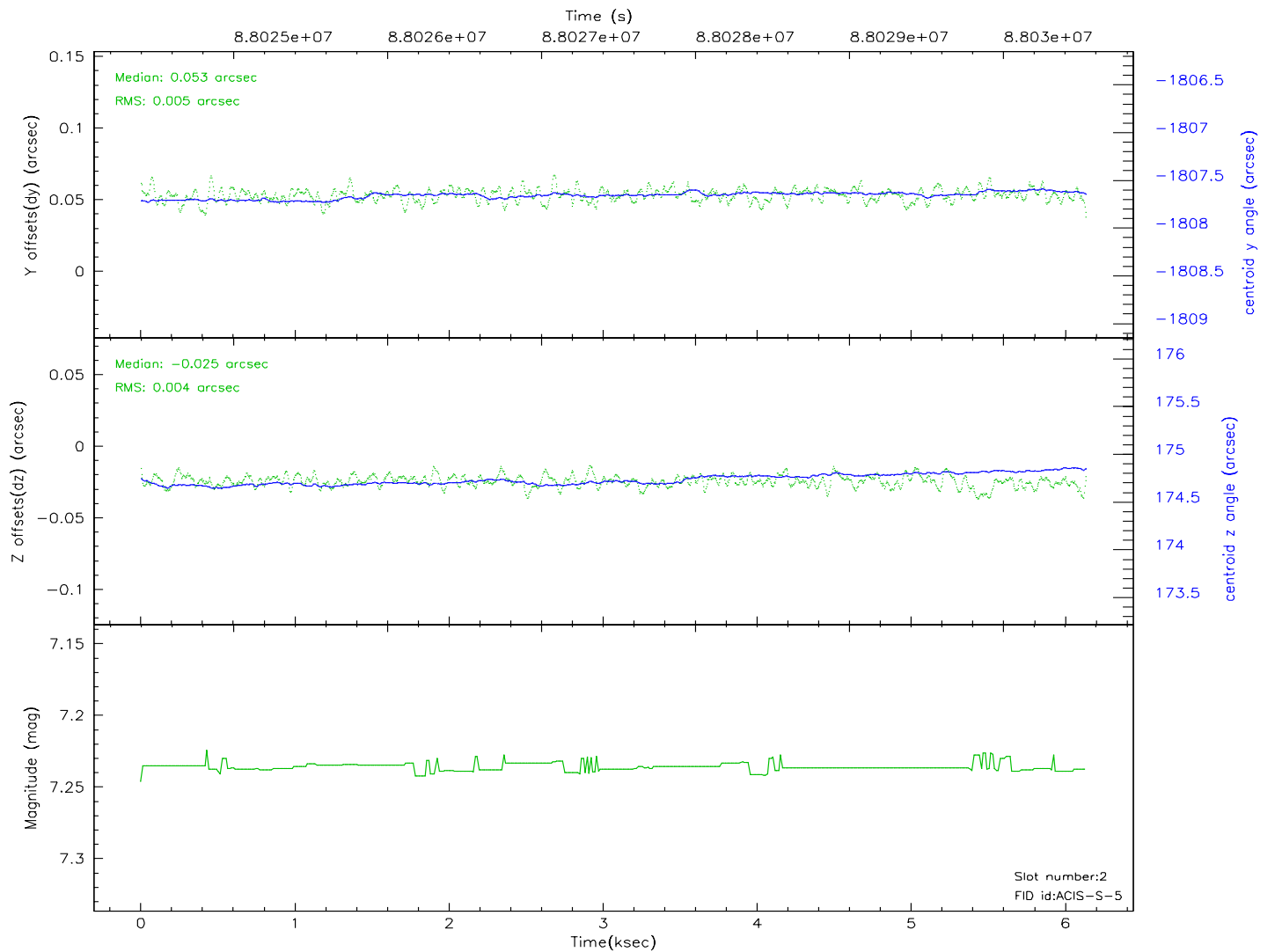
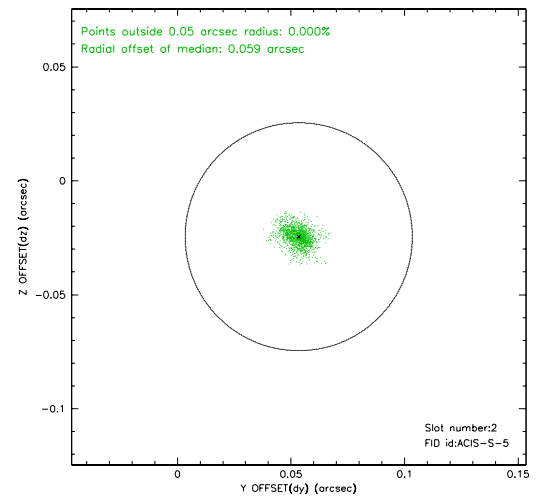
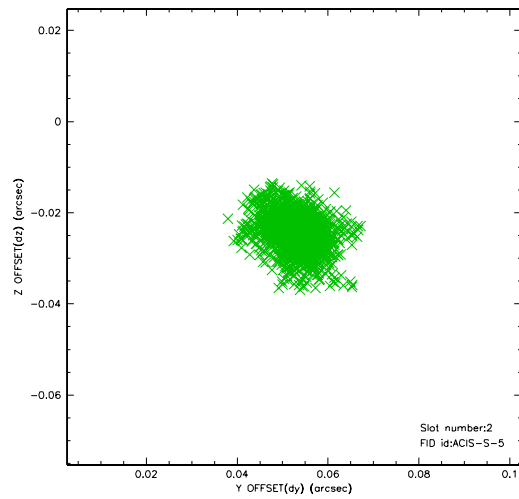
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2007.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.131

A.2 Comments