

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1998 - L2 Version 001
Chandra X-Ray Center

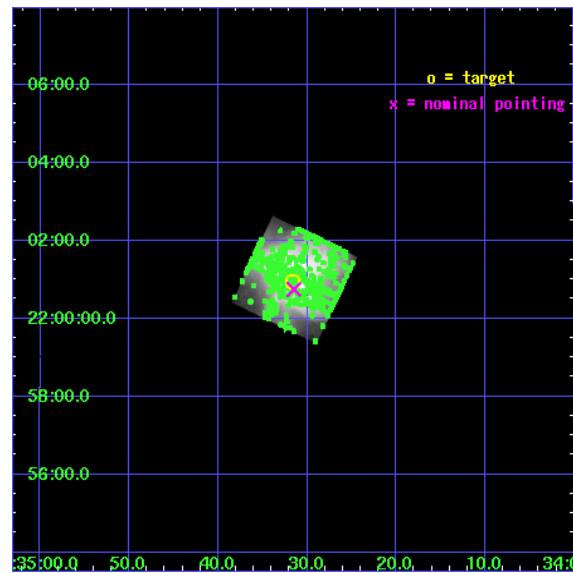
L2 Processing Date : Jun 20 2007

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1 Front

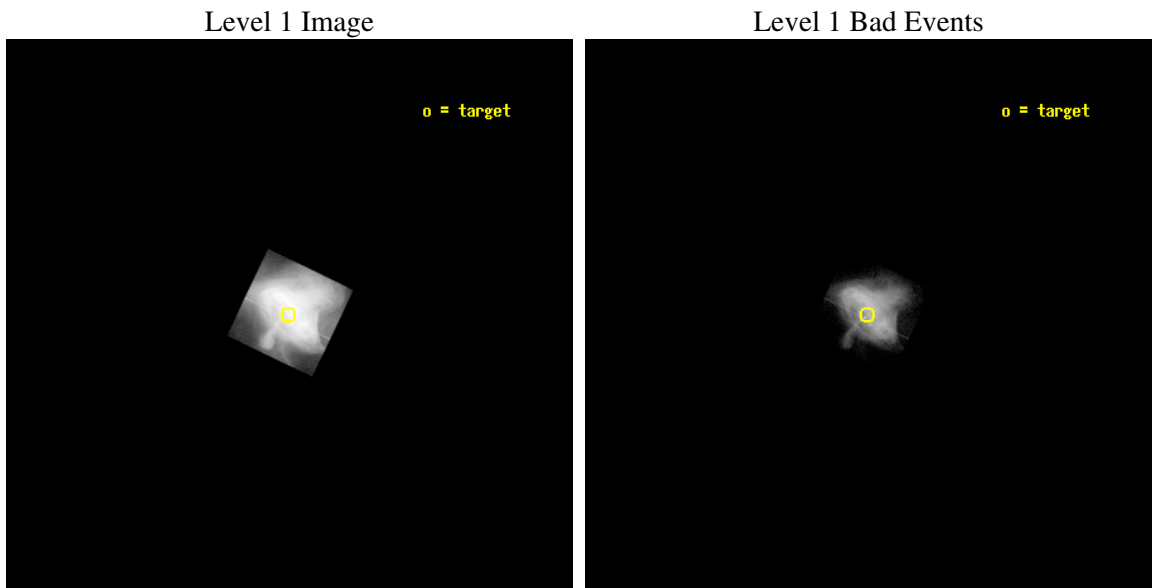
seq_num	500175
obs_id	1998
title	COORDINATED CHANDRA/HST OBSERVATIONS OF THE CRAB NEBULA
observer	PROF. JEFF HESTER
object	CRAB NEBULA
dtcycle	0
cycle	P
ra_targ	83.631667
dec_targ	22.015667
ra_nom	83.631284704744
dec_nom	22.012339485473
roll_nom	295.56634209162
revision	3
ontime	15458.989624903
livetime	2703.8495863334
ontime7	15458.989624903
l2events	9168607



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-20T13:17:30
revision	3

sched_exp_time	25000.000000
ontime	15458.989624903
ontime7	15458.989624903
l1events	10421198

2.1.3 Events

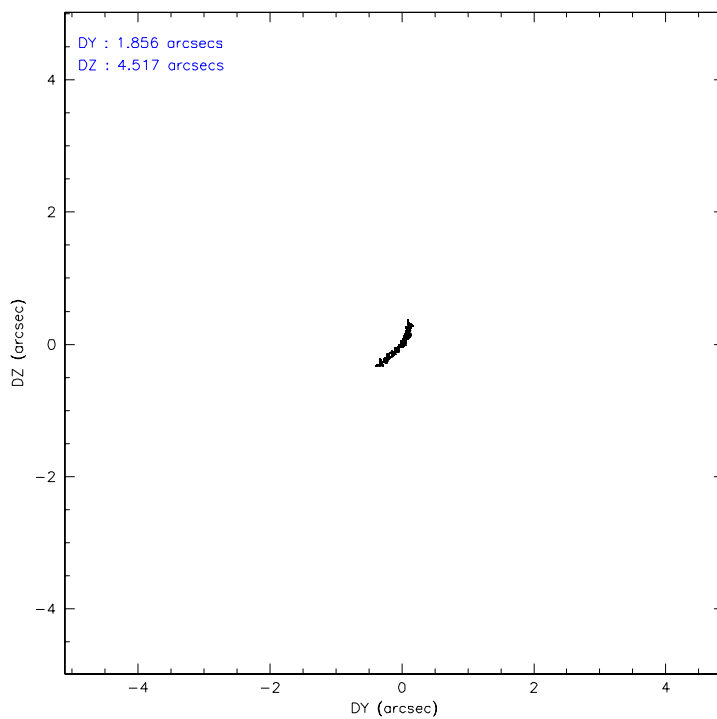
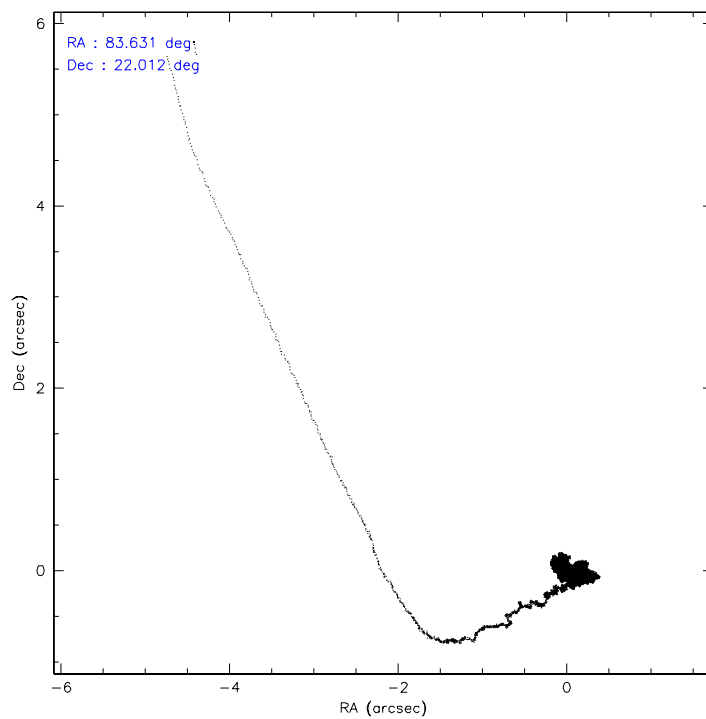
	ccd 7
level 1 events	10421198
rejected events	1120954
rejected %	10%

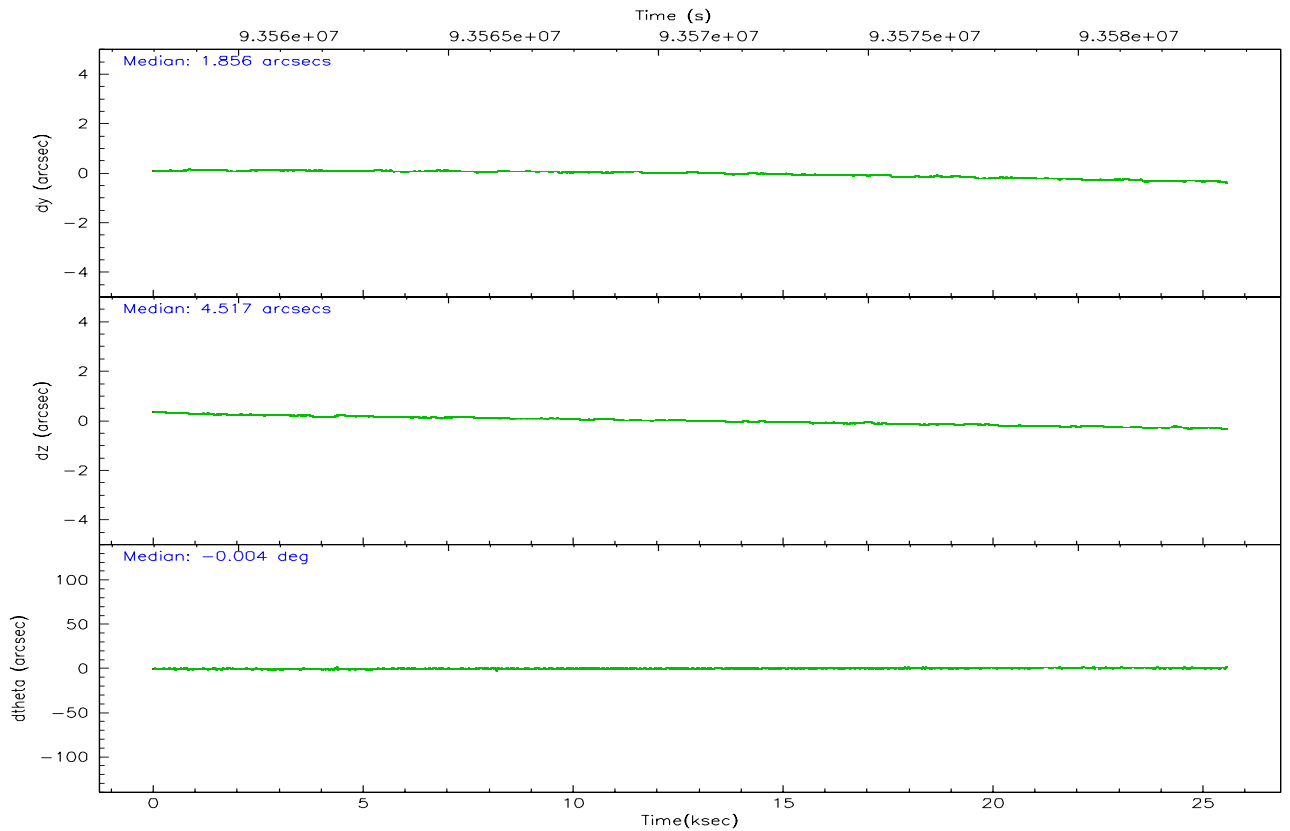
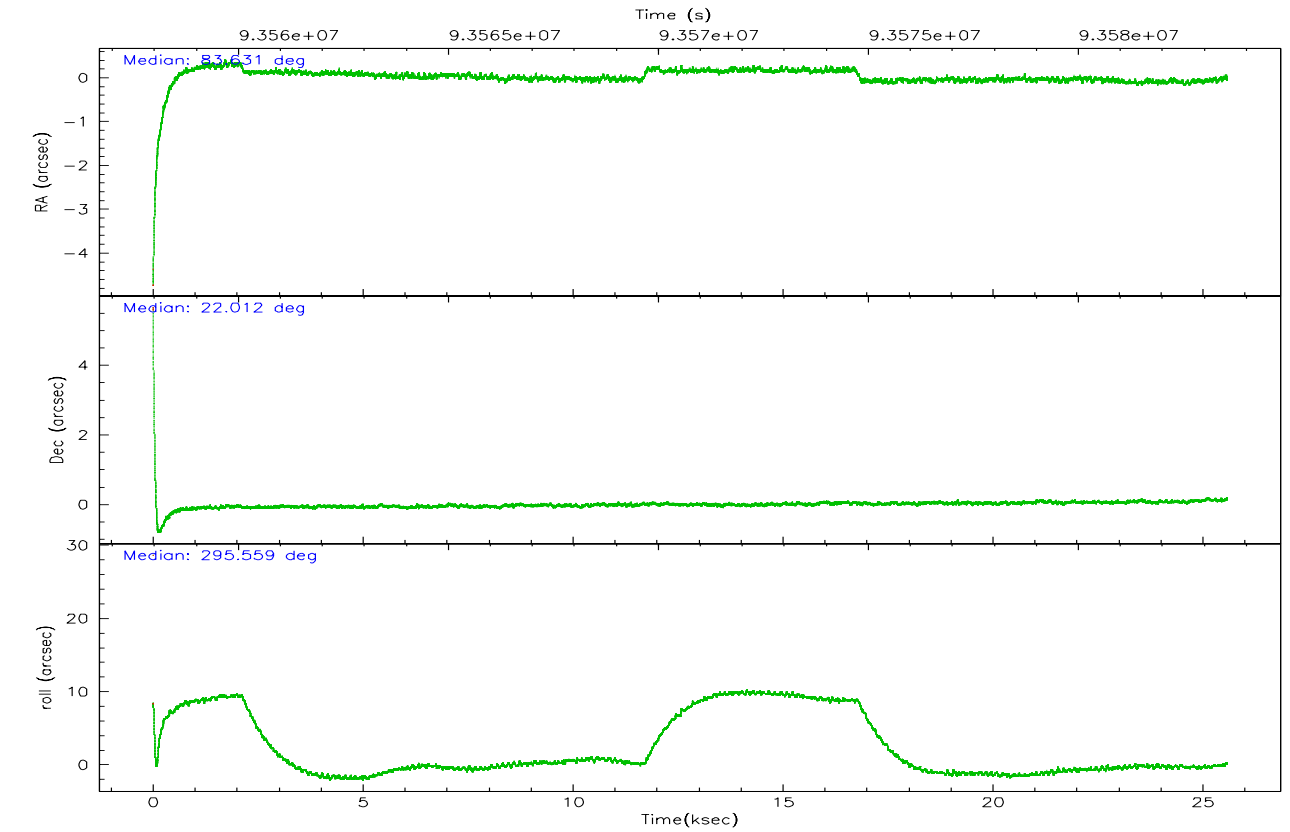
	ccd 7
grade 0 events	2132931
	20%
grade 1 events	140628
	1%
grade 2 events	2484995
	23%
grade 3 events	1097004
	10%
grade 4 events	1068958
	10%
grade 5 events	385383
	3%
grade 6 events	2586497
	24%
grade 7 events	524802
	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	83.606836	83.63128470474356	Subarray requested	CUSTOM	CUSTOM
Pointing Dec	22.027611	22.01233948547348	Subarray start row	29	29
Pointing Roll	295.418872	295.5663420916188	Subarray row count	300	300
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.2
SIM translation stage pos (mm)	-182.132523	-182.1344861297048			
SIM translation stage offset (mm)	-8	-7.998036453302973			
Observation start time	93558544.184000	93557389.195251			
Observation start date	2000-12-18T20:28:00	2000-12-18T20:09:49			
Observation end time	93583544.184000	93583998.708768			
Observation end date	2000-12-19T03:24:40	2000-12-19T03:33:18			
Read mode	TIMED	TIMED			

2.3 Aspect



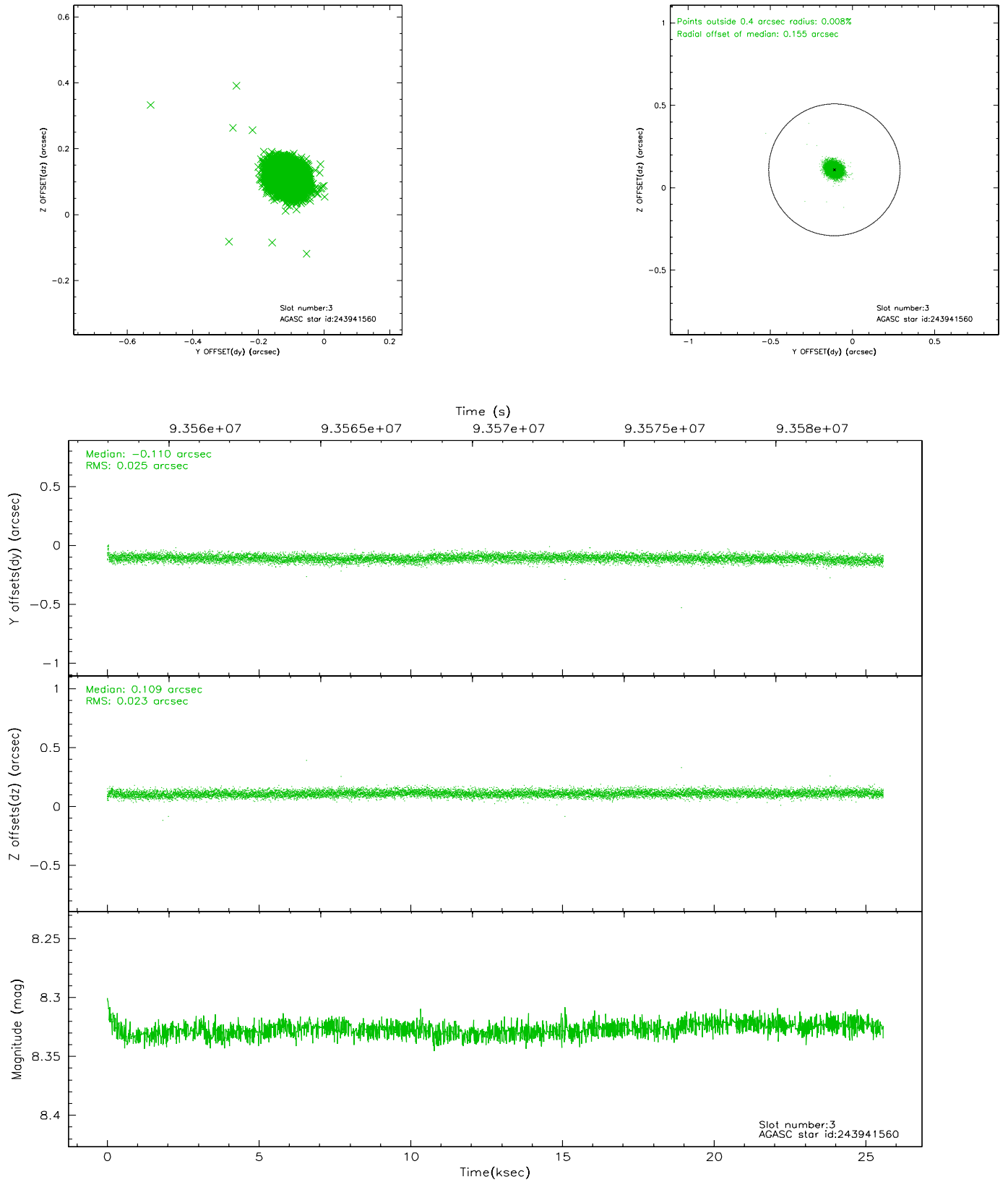


Slot Statistics

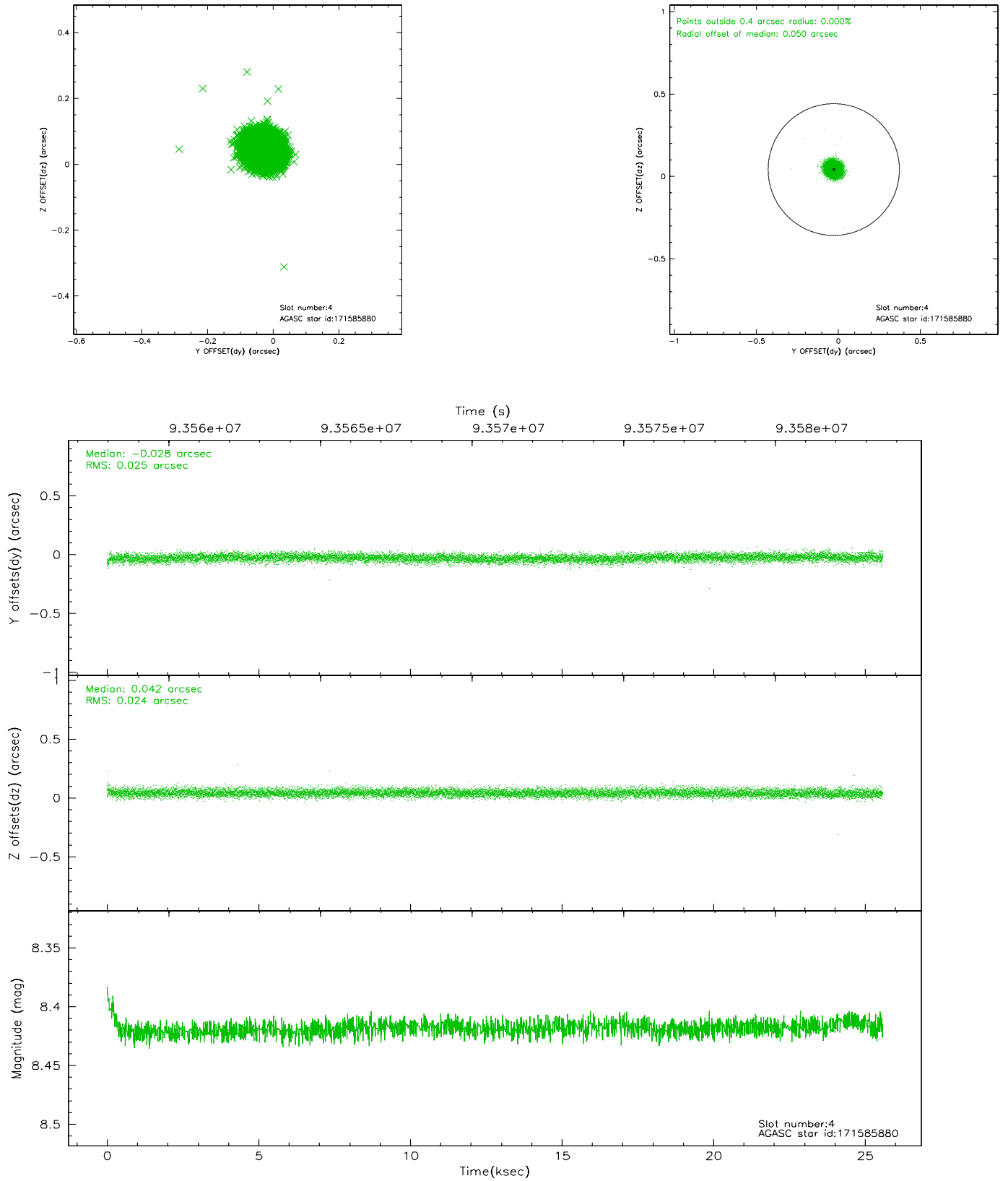
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	6239	-0.053	-0.032	0.006	0.033	0.000000	0.000000	-753.91	-1890.41
1	FID	ACIS-S-4	7.18	6237	0.018	0.039	0.007	0.021	0.000000	0.000000	2159.40	17.98
2	FID	ACIS-S-6	7.42	6237	0.008	-0.000	0.008	0.016	0.000000	0.000000	408.29	655.47
3	GUIDE	243941560	8.33	12475	-0.110	0.109	0.035	0.058	83.733264	22.568598	-1578.99	1215.31
4	GUIDE	171585880	8.42	12476	-0.028	0.042	0.037	0.060	83.676260	22.176319	-384.40	438.69
5	GUIDE	171586976	8.50	12478	-0.099	-0.099	0.037	0.062	83.857953	22.438065	-976.79	1388.83
6	GUIDE	171713696	8.87	12477	0.132	-0.284	0.045	0.074	84.473197	21.894804	1666.48	2411.90
7	GUIDE	171597832	9.16	12474	0.106	0.230	0.055	0.093	83.183230	21.366702	1538.21	-2302.82

2.4 Star Slots

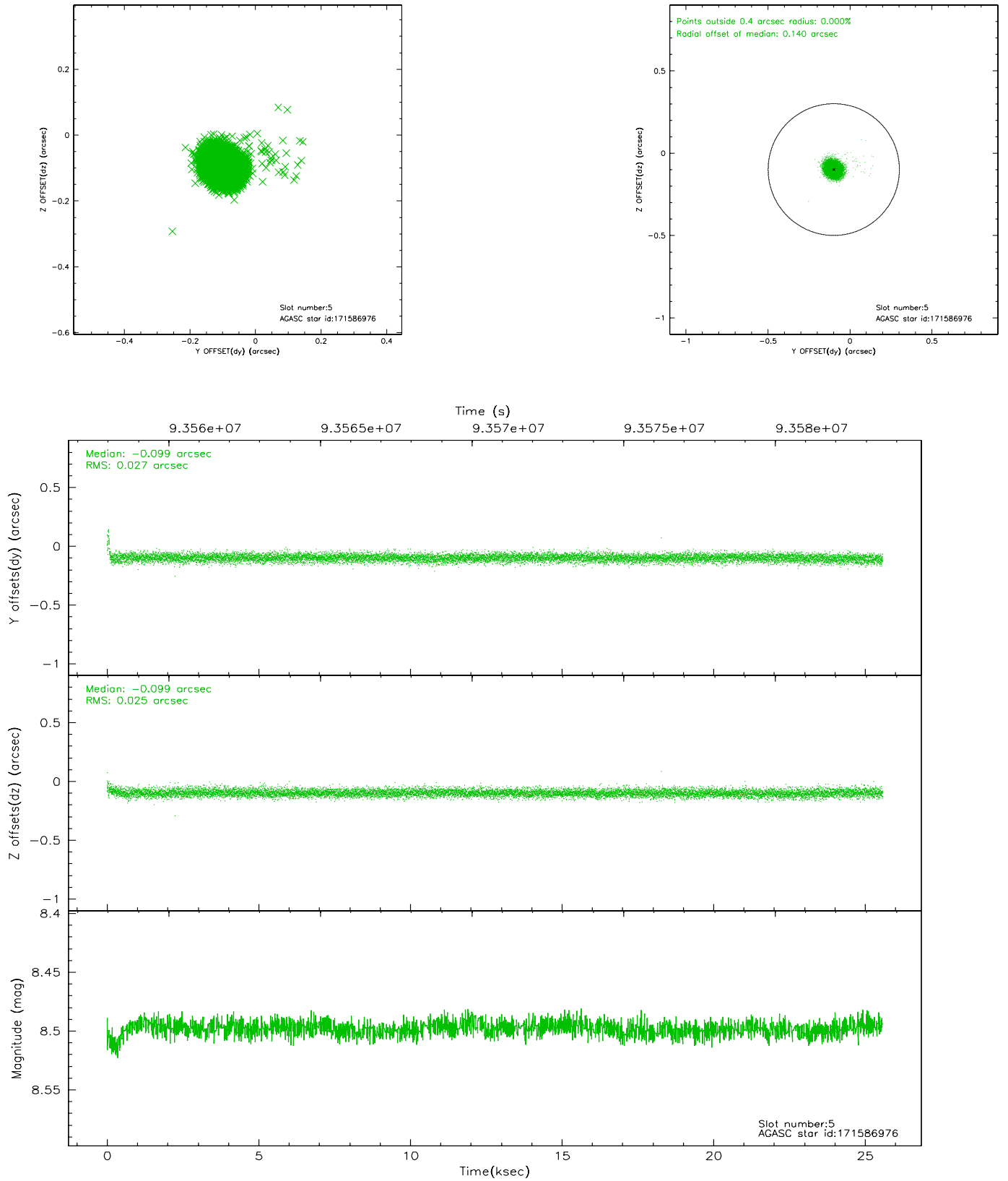
2.4.1 Slot 3



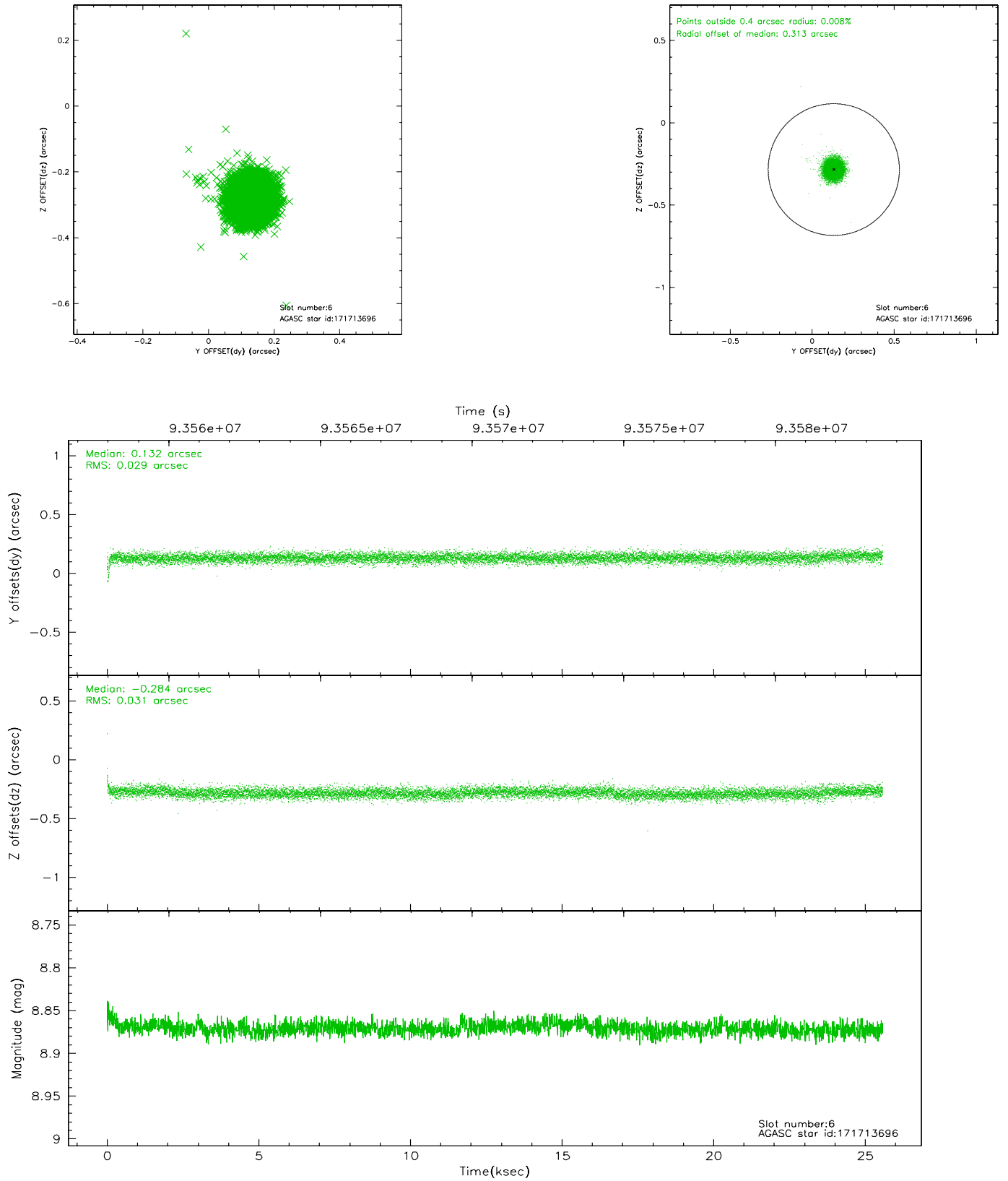
2.4.2 Slot 4



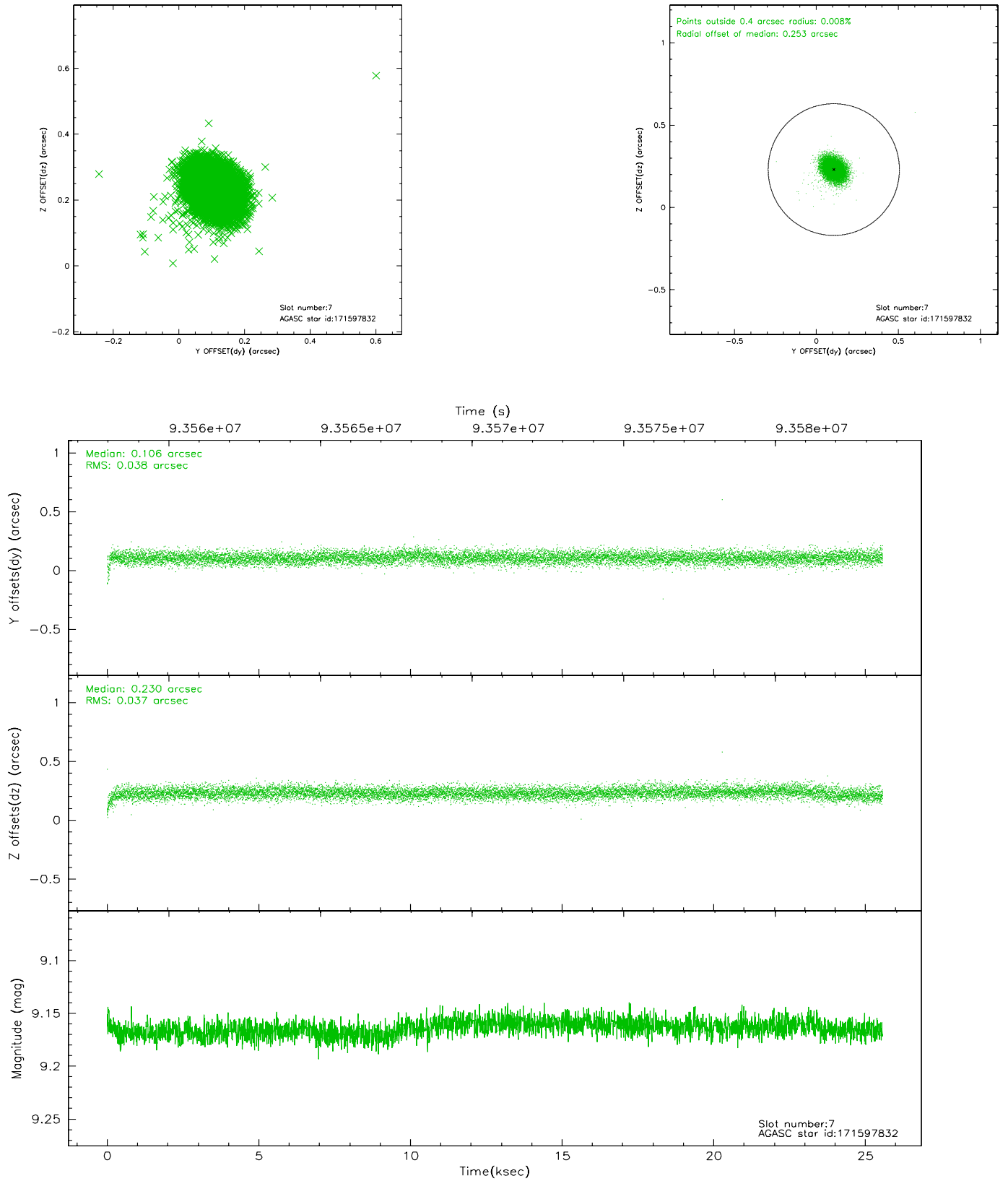
2.4.3 Slot 5



2.4.4 Slot 6

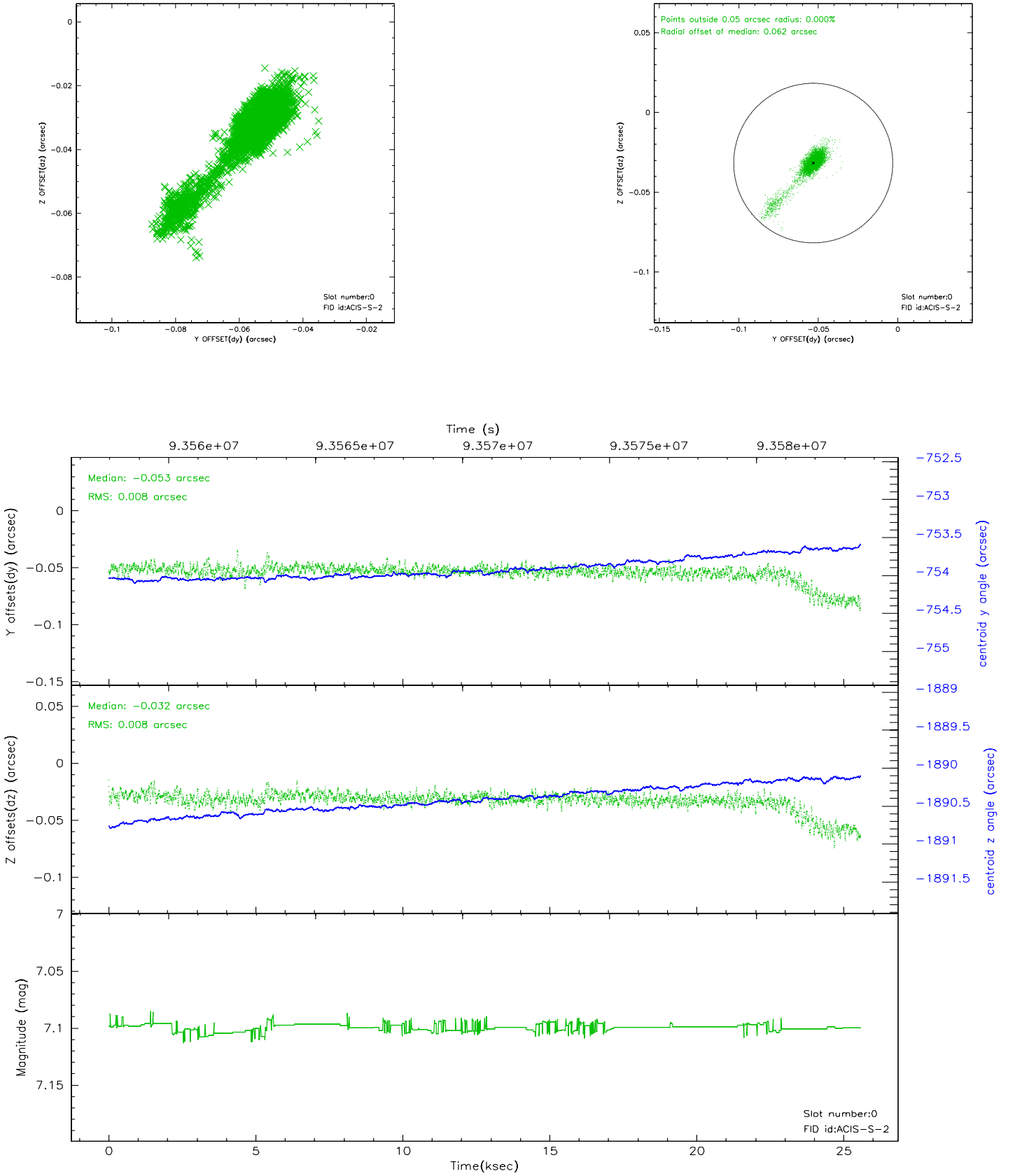


2.4.5 Slot 7

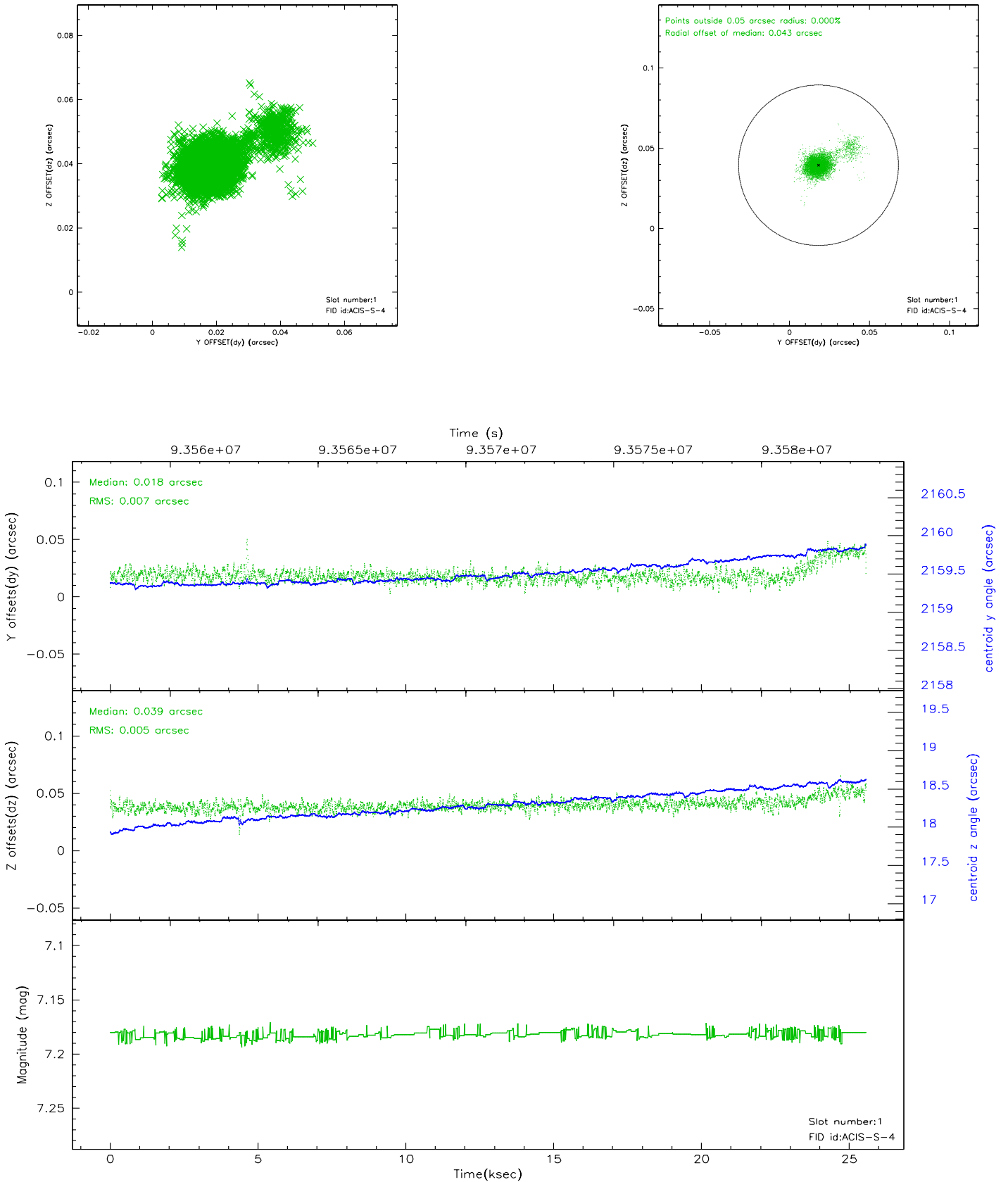


2.5 FID Slots

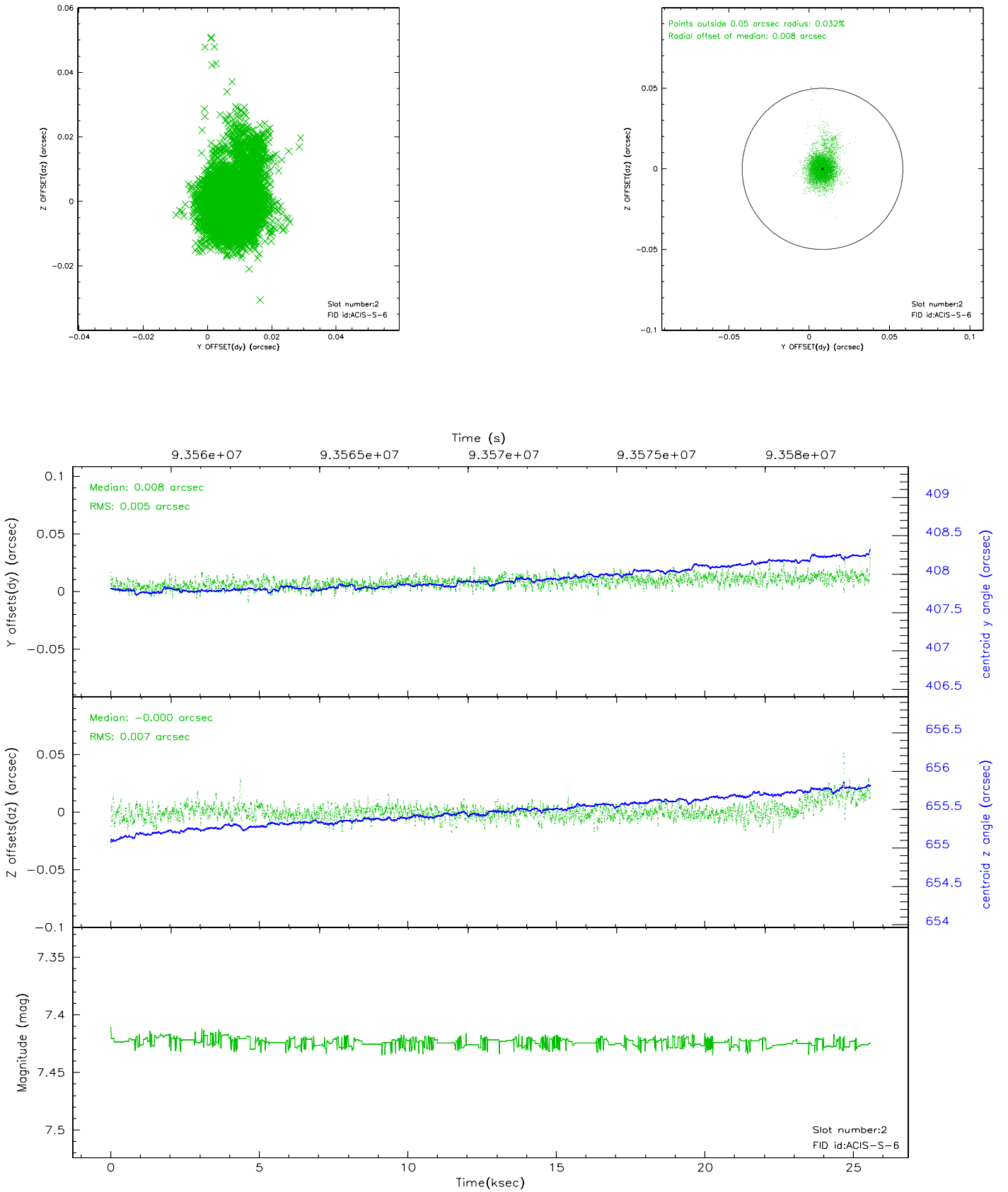
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.08.02
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	23.8

A.2 Comments

Charge time for this observation remains at original value of 23.8 ks, although with the current processing the charge time would have been 15.4 ksec. The high count rate resulted in telemetry saturation and a large number of dropped exposures. The ONTIME value reflects the lost exposure time.