

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4577 - L2 Version 002
Chandra X-Ray Center

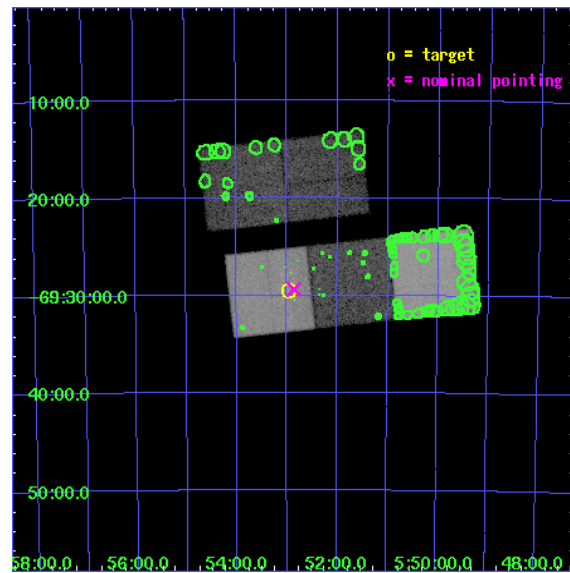
L2 Processing Date : Mar 11 2006

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1 Front

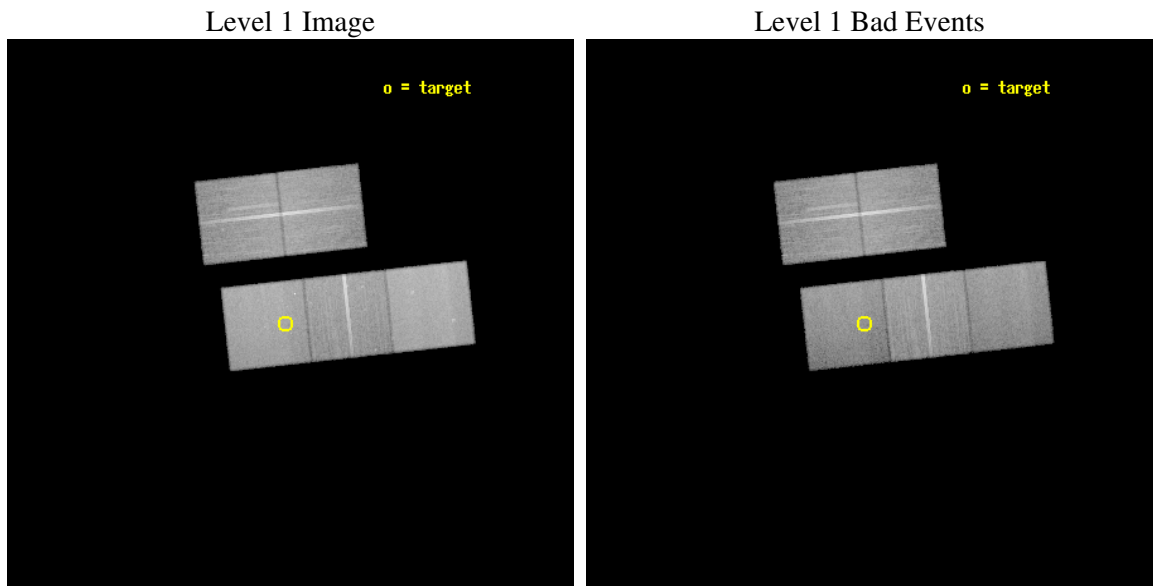
seq_num	400359
obs_id	4577
title	Finding Black Holes and Understanding Star Cluster Evolution with Chandra
observer	Dr. Simon Portegies Zwart
object	NGC 2136/7
dtcycle	0
cycle	P
ra_targ	88.241667
dec_targ	-69.492778
ra_nom	88.215234860337
dec_nom	-69.490051556123
roll_nom	173.69171241739
revision	2
ontime	37454.199927986
livetime	36964.833232546
ontime2	37447.917977452
ontime3	37447.917997479
ontime5	37454.199927986
ontime6	37447.917997479
ontime7	37454.199927986
l2events	318629



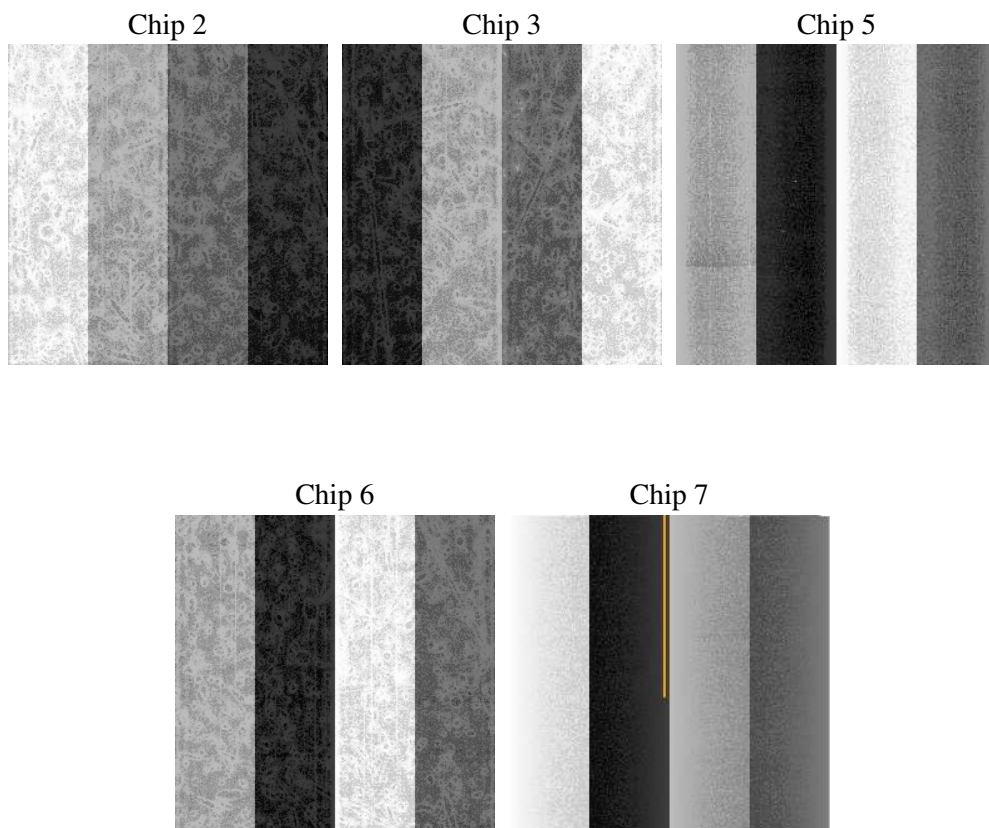
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-11T19:56:45
revision	2

sched_exp_time	37300.000000
ontime	37462.761452109
ontime2	37456.479481697
ontime3	37456.479521602
ontime5	37462.761452109
ontime6	37456.479521602
ontime7	37462.761452109
l1events	1313923

2.1.4 Events

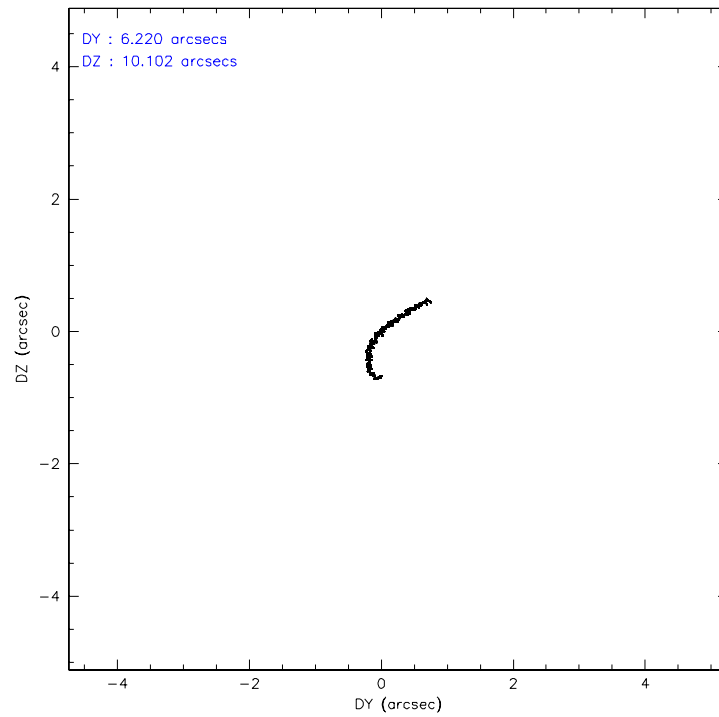
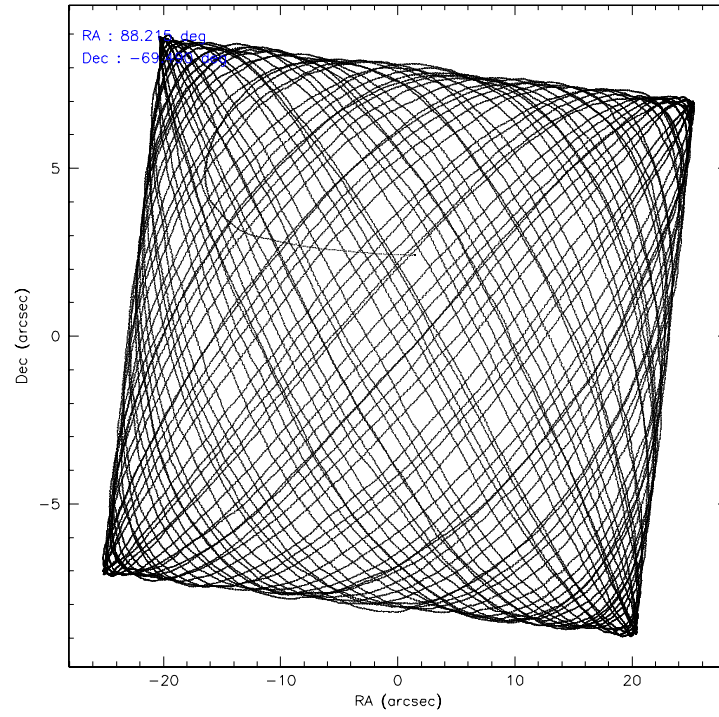
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	244526	237504	321269	241972	268652
rejected events	221417	214653	170330	216188	155256
rejected %	90%	90%	53%	89%	57%

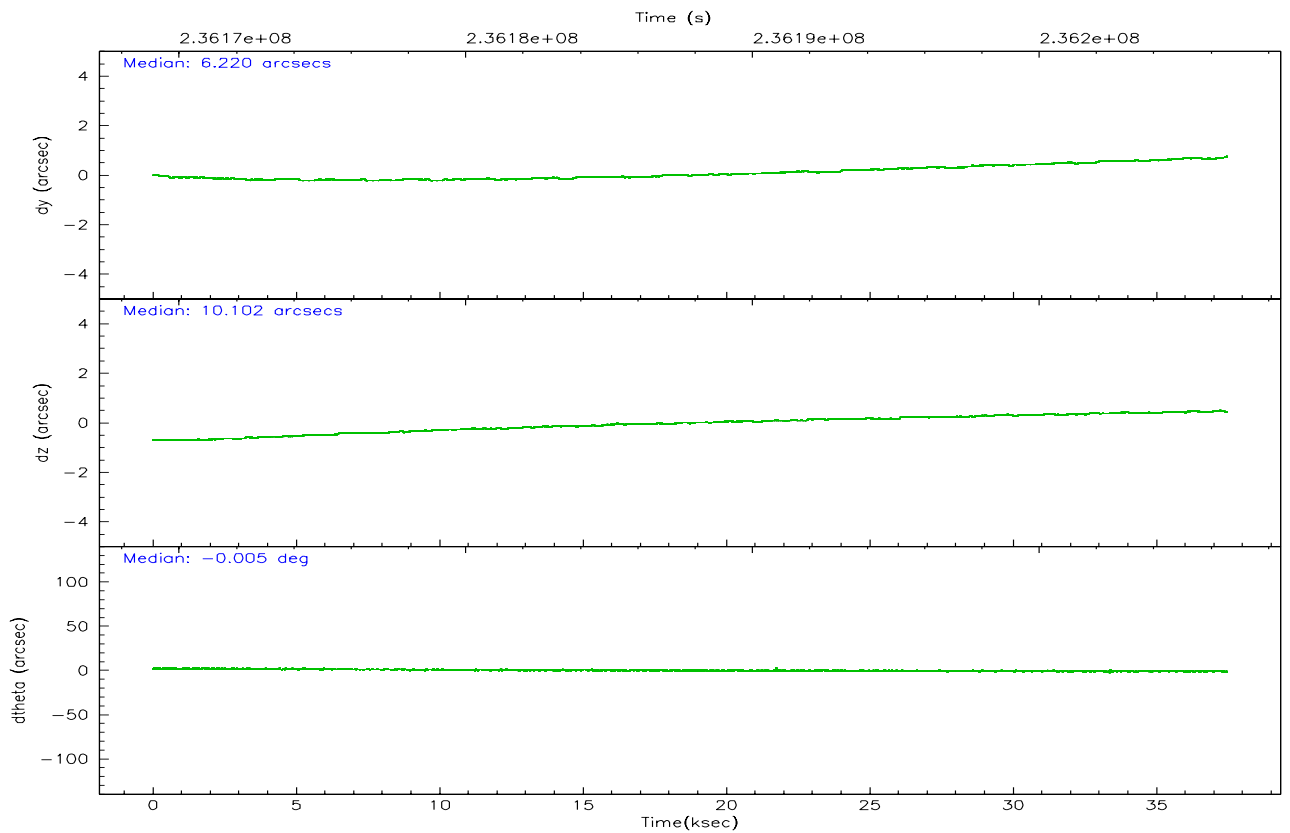
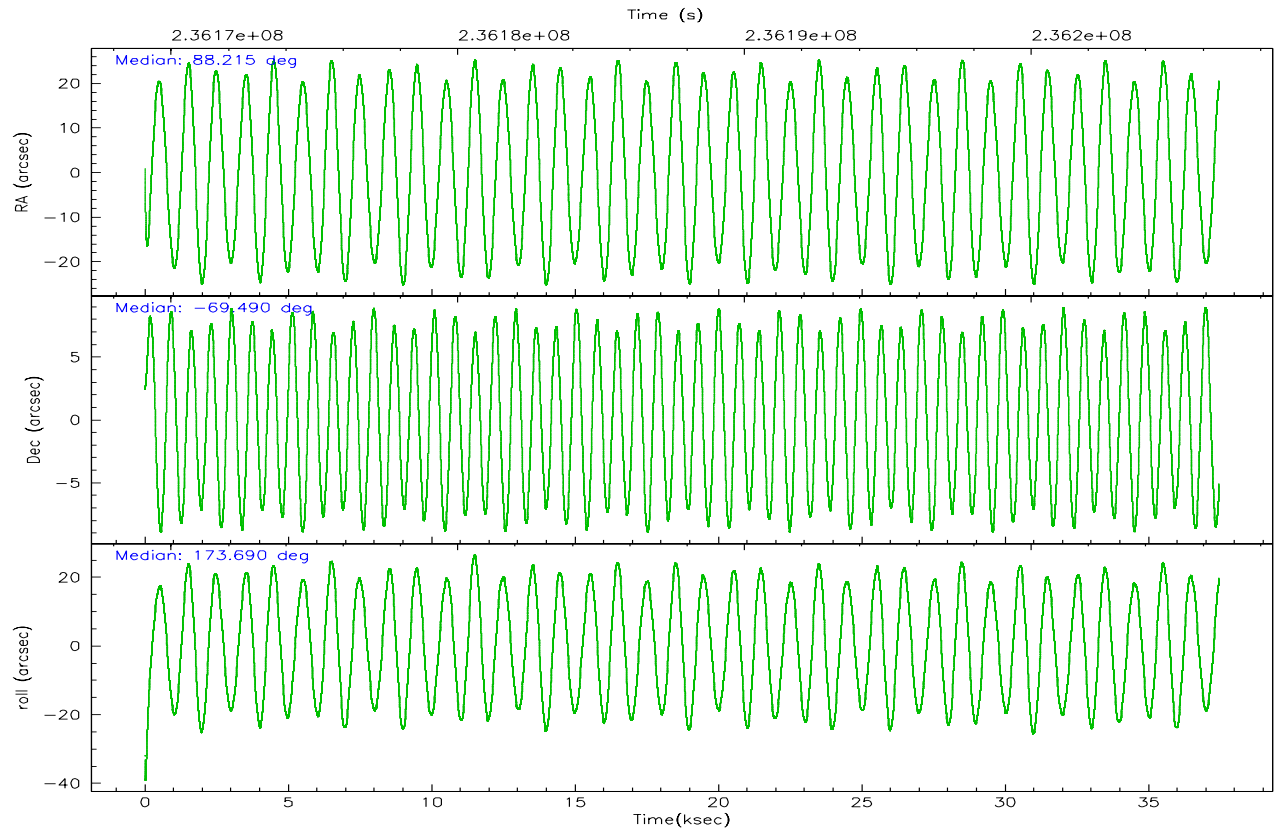
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	8219	8155	6054	9419	6746
	3%	3%	1%	3%	2%
grade 1 events	126	132	115	140	125
	0%	0%	0%	0%	0%
grade 2 events	5585	4950	48128	5533	28189
	2%	2%	14%	2%	10%
grade 3 events	2509	2670	4137	2785	6721
	1%	1%	1%	1%	2%
grade 4 events	2606	2620	3805	2781	6515
	1%	1%	1%	1%	2%
grade 5 events	7817	9531	17641	9637	20612
	3%	4%	5%	3%	7%
grade 6 events	4193	4457	88838	5267	65235
	1%	1%	27%	2%	24%
grade 7 events	213471	204989	152551	206410	134509
	87%	86%	47%	85%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	88.285910	88.21523486033735	Alternating exposures requested	N	N
Pointing Dec	-69.478759	-69.49005155612319	Primary exposure time	0.000000	3.1
Pointing Roll	173.601288	173.6917124173913			
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			
Observation start time	236169254.184000	236168266.12891			
Observation start date	2005-06-26T10:33:10	2005-06-26T10:17:46			
Observation end time	236206554.184000	236207132.08069			
Observation end date	2005-06-26T20:54:50	2005-06-26T21:05:32			
Read mode	TIMED	TIMED			

2.3 Aspect



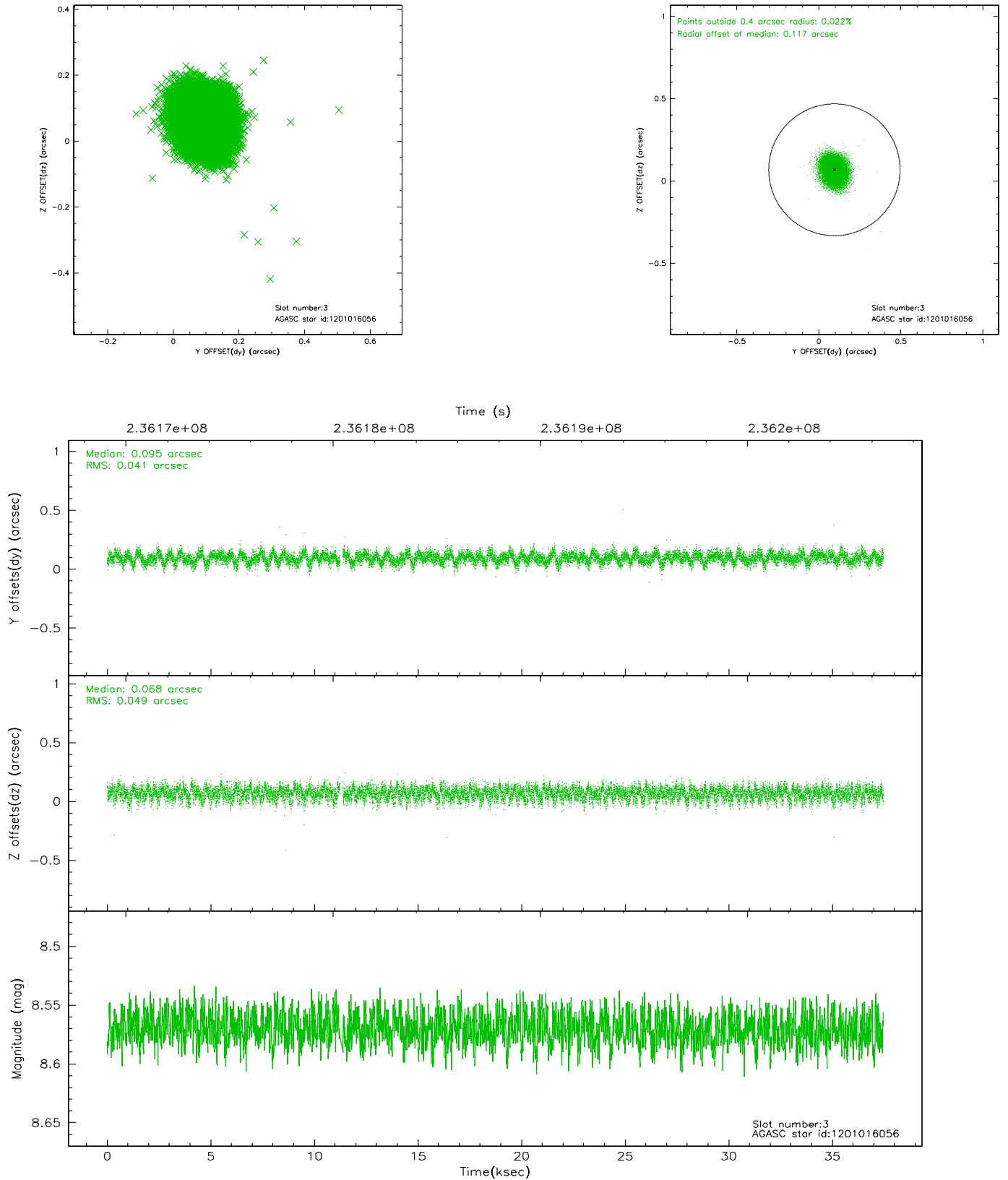


Slot Statistics

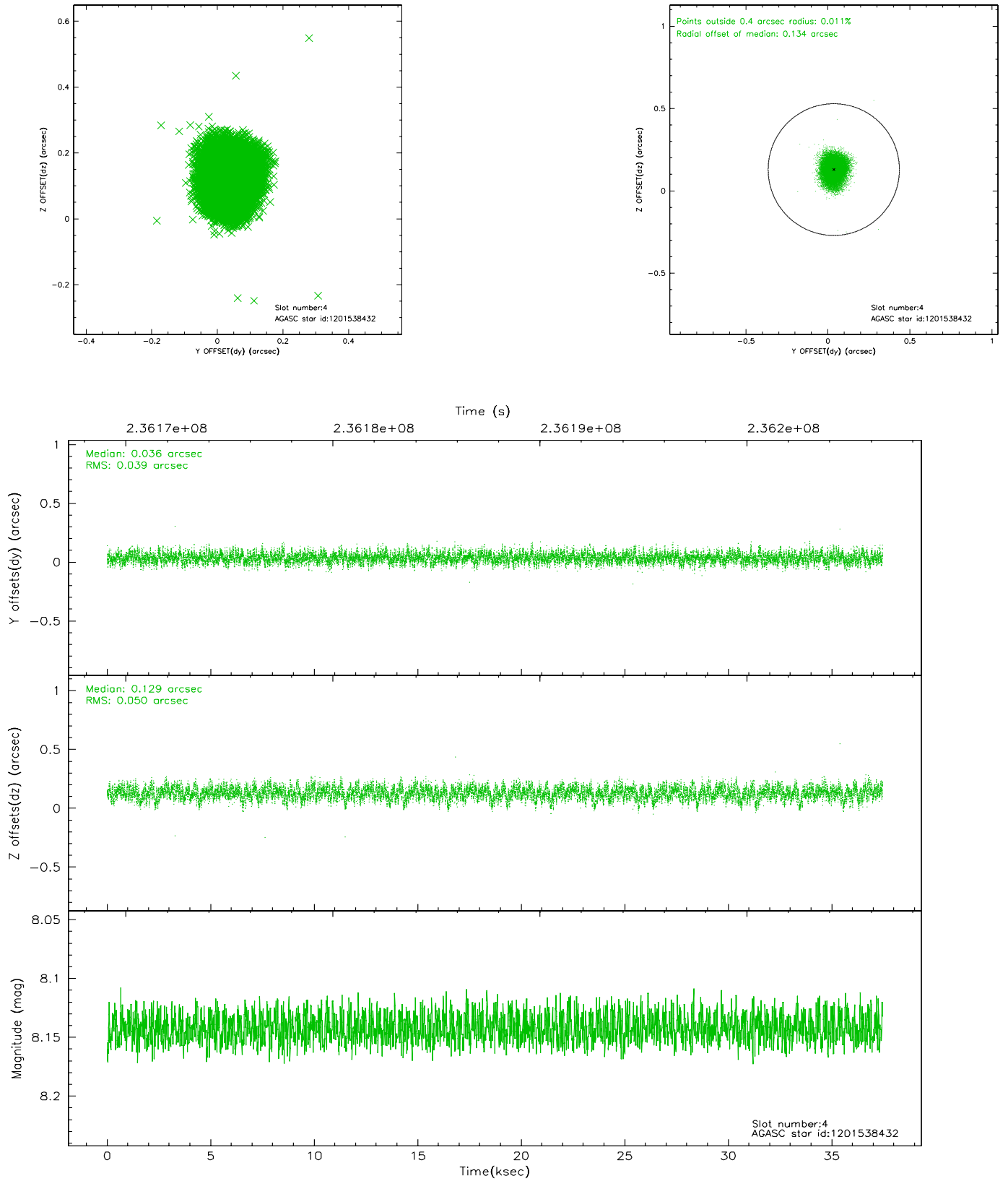
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9137	-0.056	-0.006	0.011	0.018	0.000000	0.000000	-759.08	-1731.32
1	FID	ACIS-S-4	7.21	9137	0.063	0.029	0.008	0.013	0.000000	0.000000	2154.27	177.22
2	FID	ACIS-S-5	7.23	9137	-0.038	-0.014	0.008	0.017	0.000000	0.000000	-1811.90	170.81
3	GUIDE	1201016056	8.57	18191	0.095	0.068	0.067	0.108	88.122740	-68.971148	413.28	-1791.74
4	GUIDE	1201538432	8.14	18272	0.036	0.129	0.067	0.109	89.309186	-69.477902	-1284.15	-136.45
5	GUIDE	1201539152	9.23	18268	0.051	-0.037	0.103	0.170	89.978520	-69.970583	-2274.33	1555.78
6	GUIDE	1201540816	7.94	18273	-0.110	-0.122	0.054	0.085	86.998494	-69.749817	1483.32	1165.56
7	GUIDE	1201540944	8.18	18268	-0.071	-0.039	0.062	0.097	87.496877	-69.685010	896.69	854.42

2.4 Star Slots

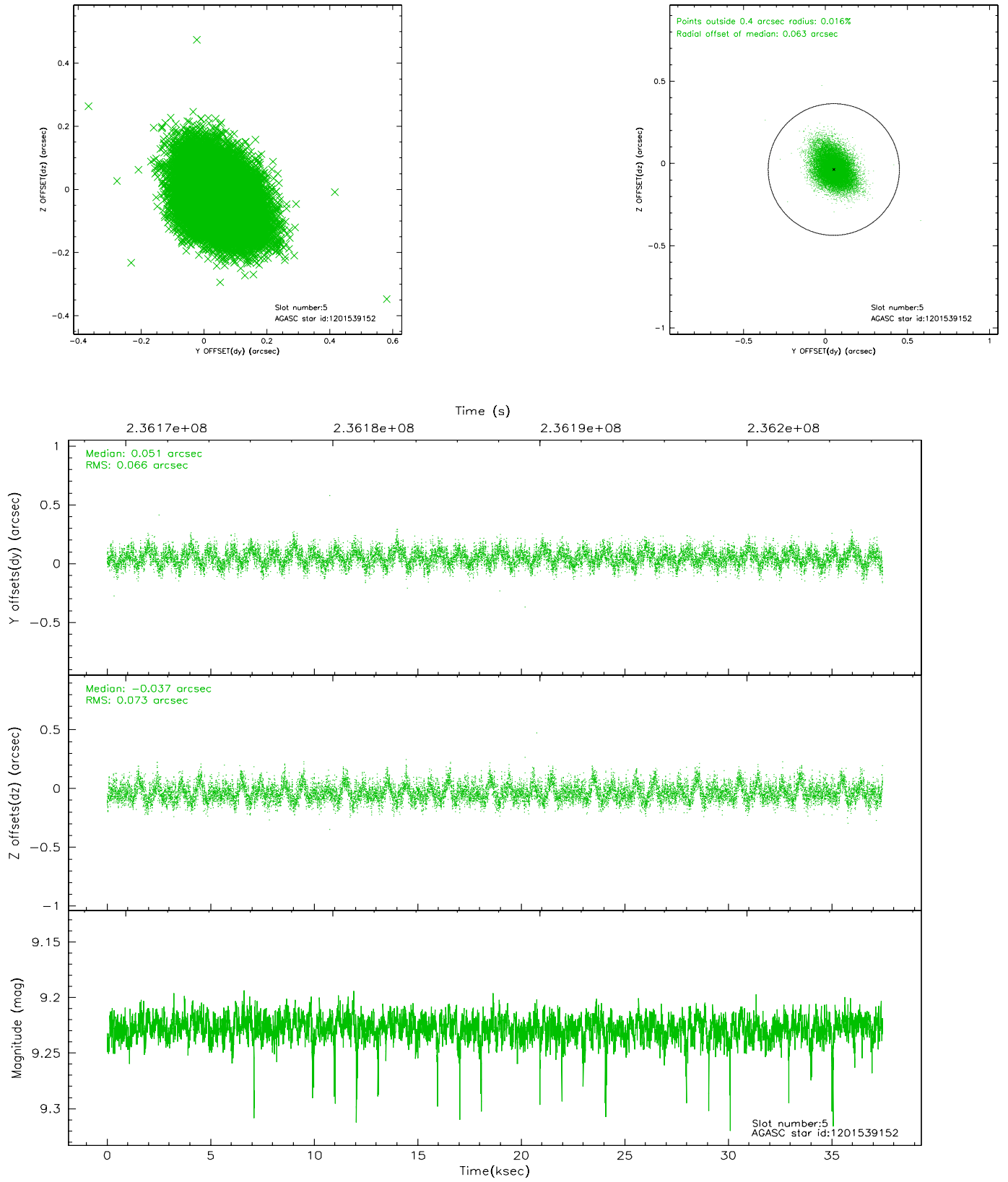
2.4.1 Slot 3



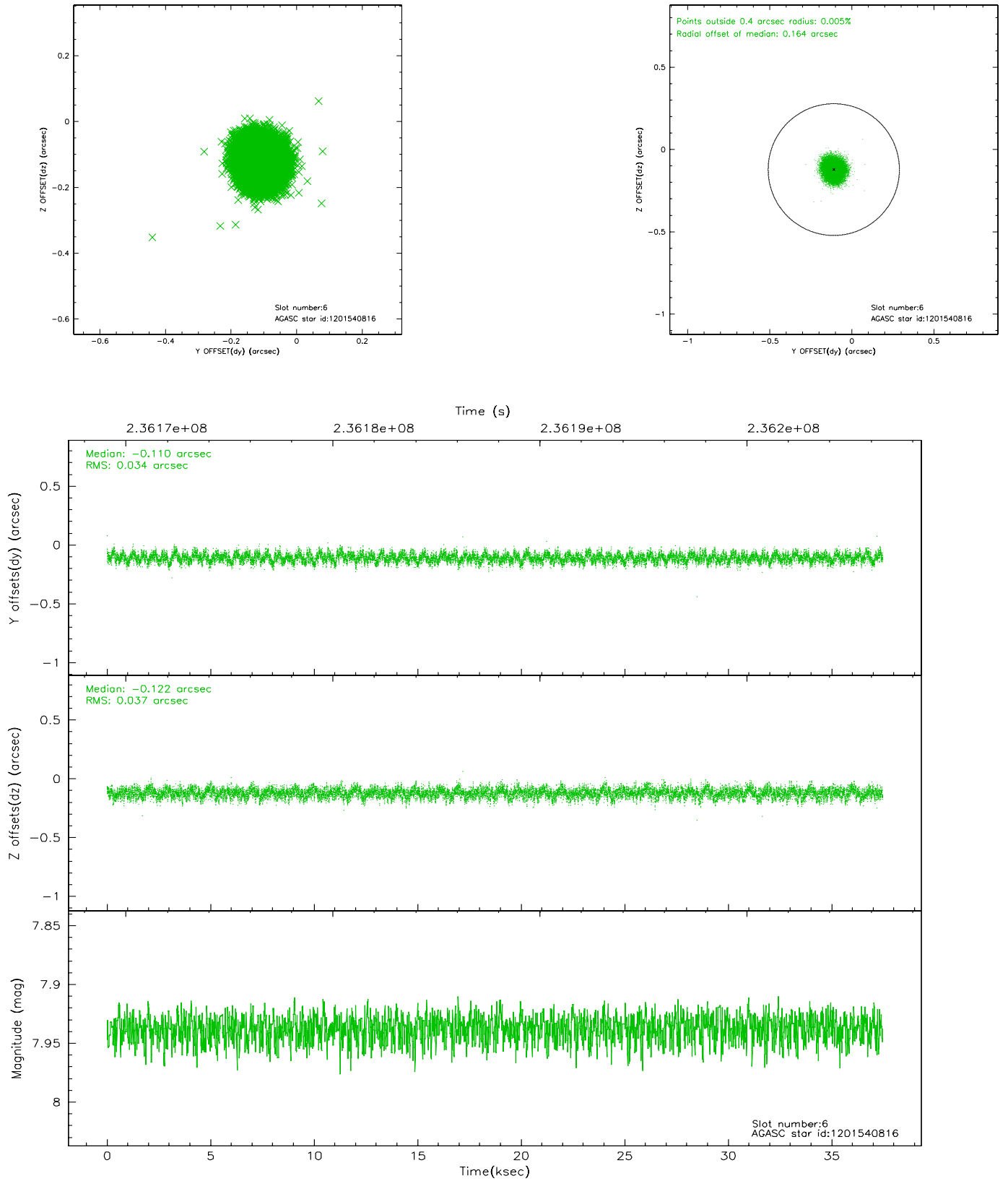
2.4.2 Slot 4



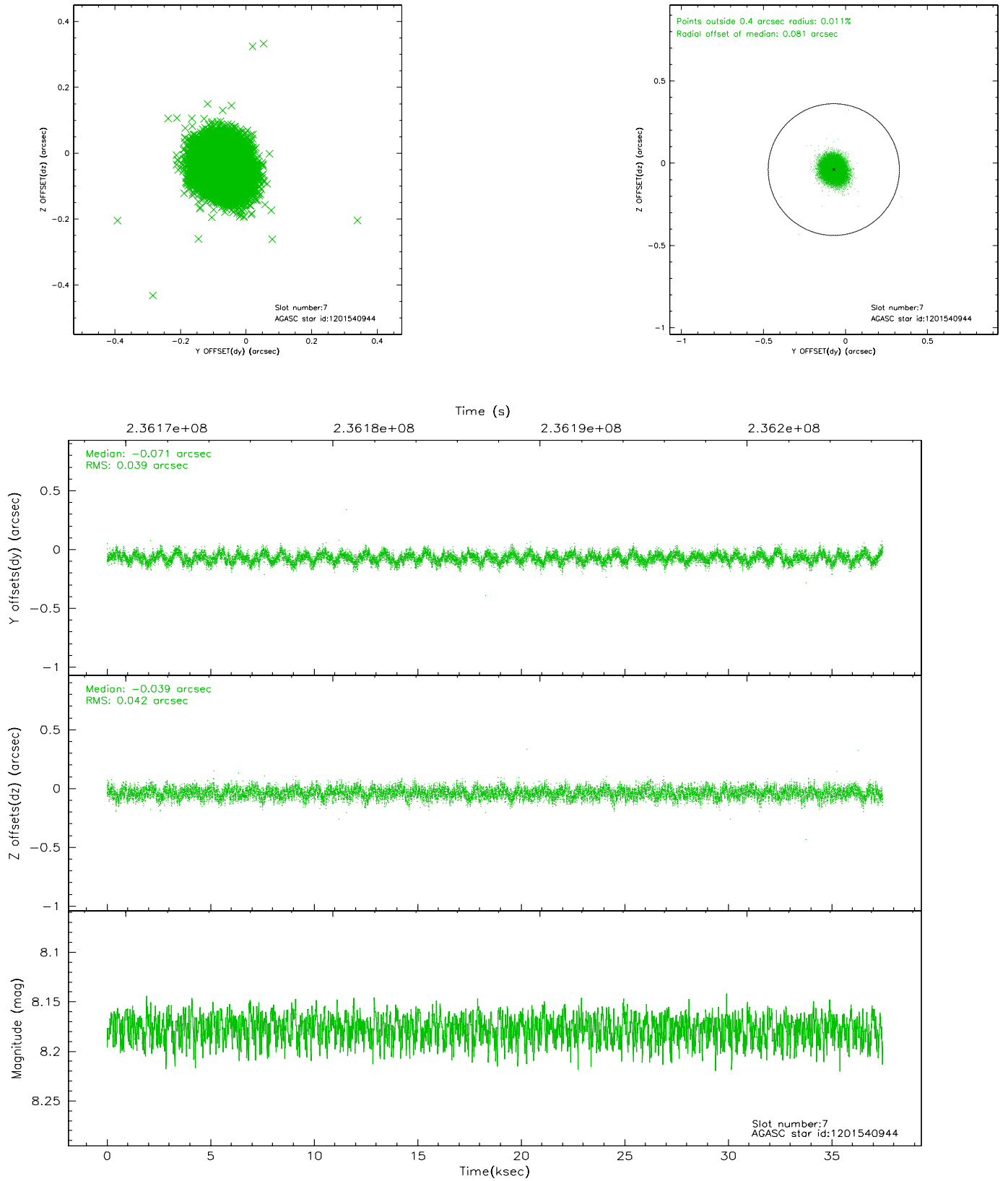
2.4.3 Slot 5



2.4.4 Slot 6

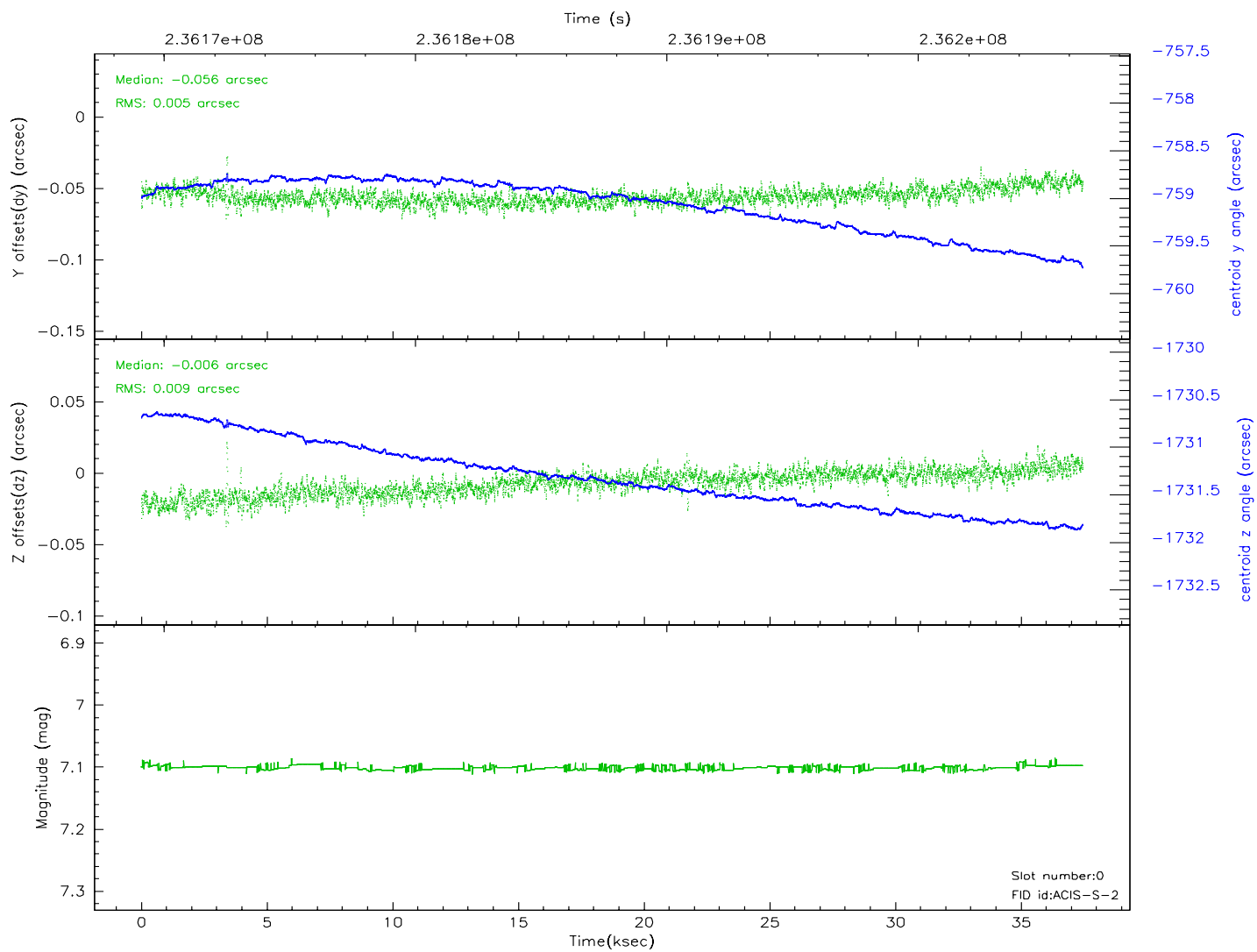
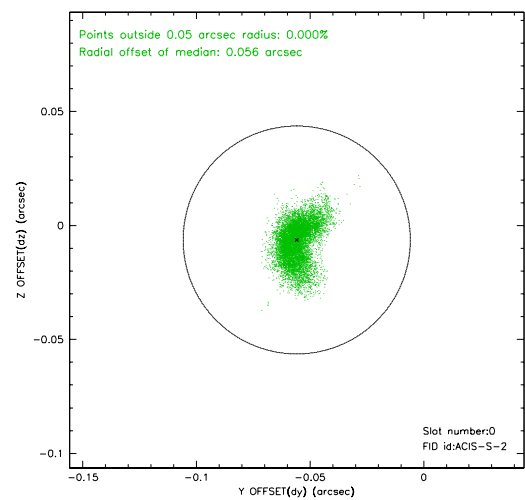
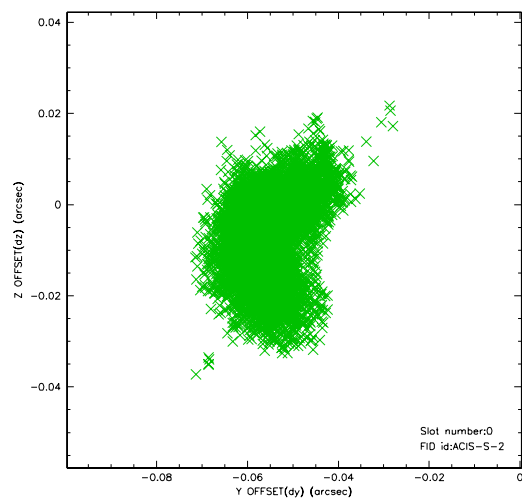


2.4.5 Slot 7

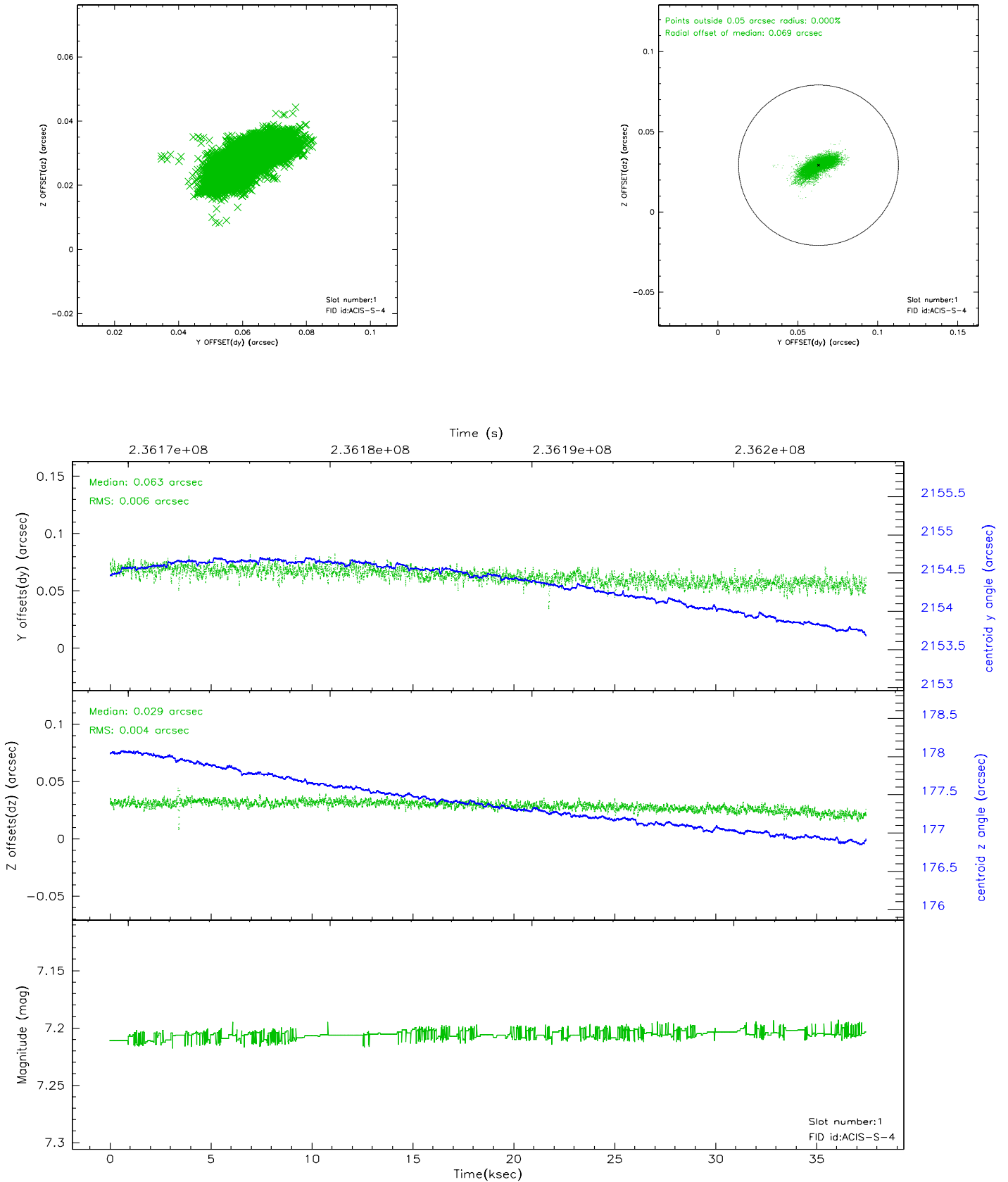


2.5 FID Slots

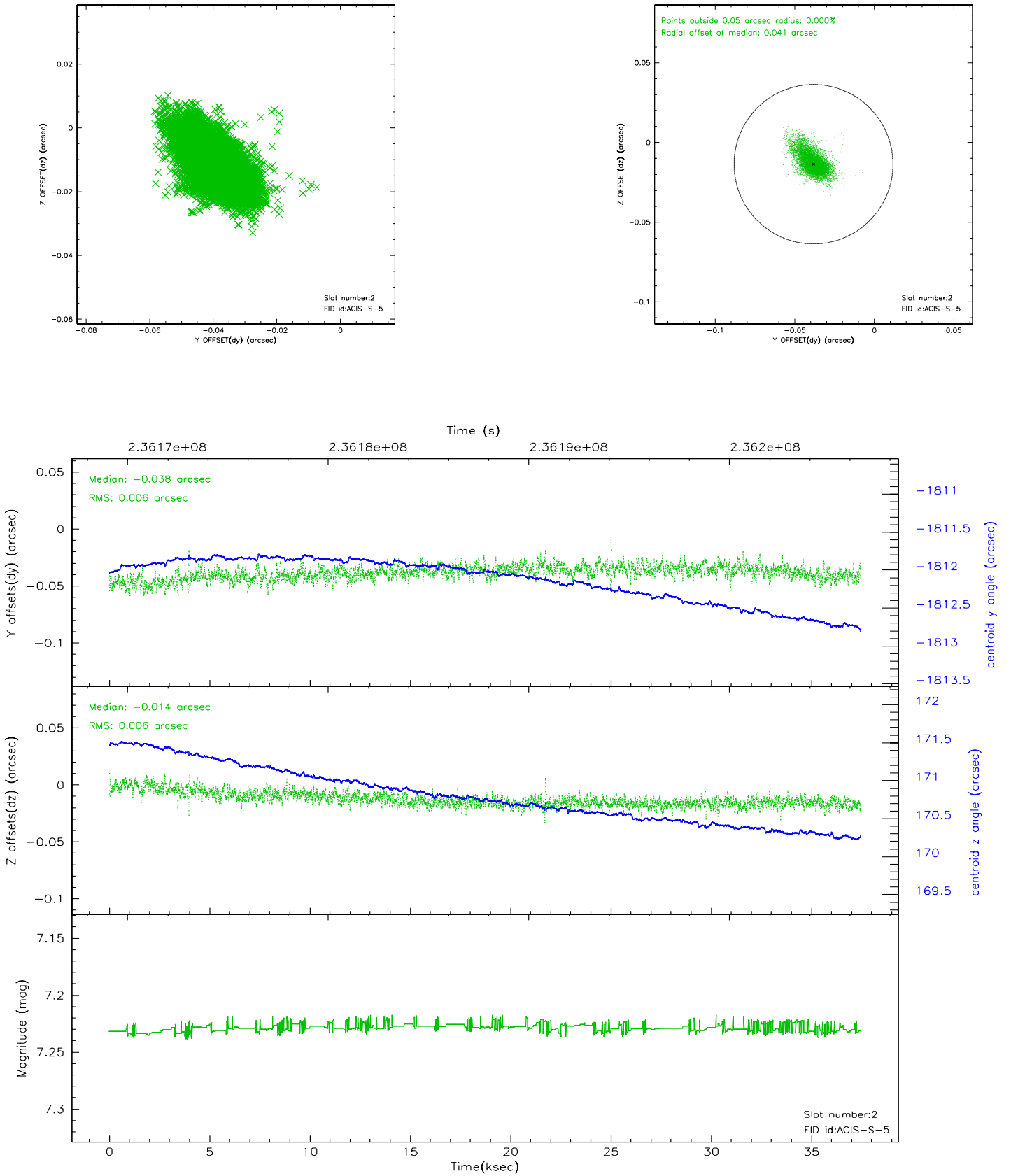
2.5.1 Slot 0



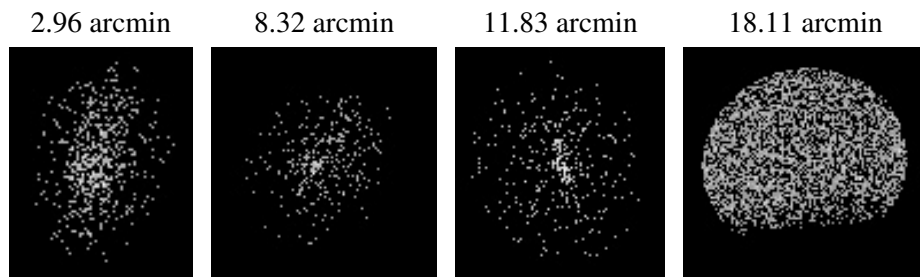
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.45419

A.2 Comments