

V&V Reference Report

L2 ASCDS Version : 7.6.11.4

Observation 8936 - L2 Version 1
Chandra X-Ray Center

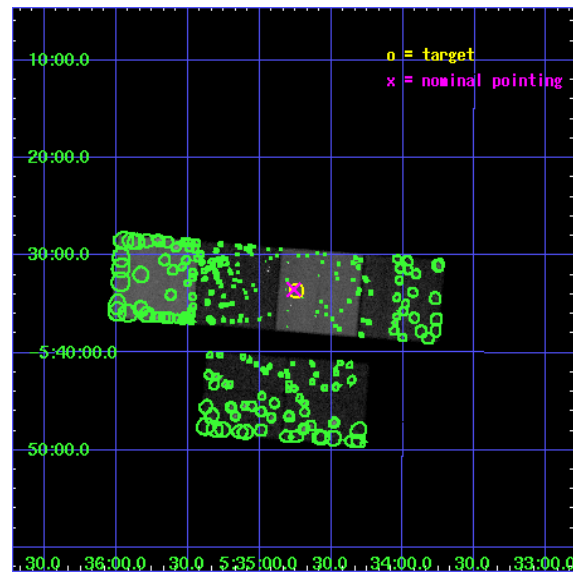
L2 Processing Date : Dec 27 2007

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1 Front

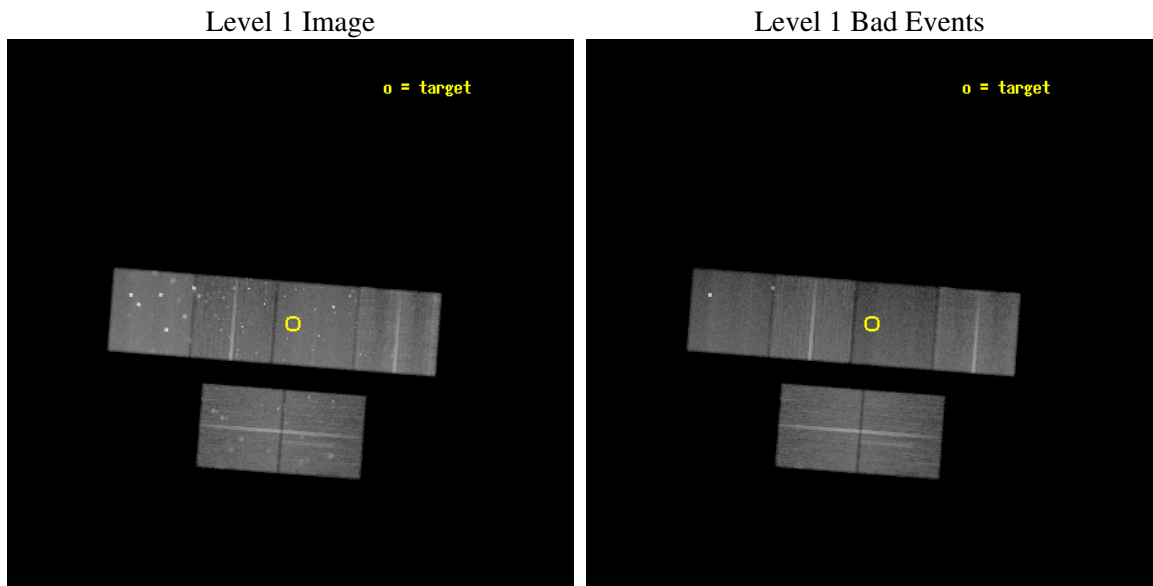
seq_num	200517
obs_id	8936
title	Catching the Post-Outburst State of the Erupting Star V1118 Ori
observer	Prof. Marc Audard
object	V1118 Ori
dtcycle	0
cycle	P
ra_targ	83.68625
dec_targ	-5.561472
ra_nom	83.690177327795
dec_nom	-5.558609260317
roll_nom	4.4119111896016
revision	1
ontime	35174.399868965
livetime	34729.000438343
ontime2	35171.158898115
ontime3	35174.399868965
ontime5	35174.399868965
ontime6	35174.399868965
ontime7	35174.399868965
ontime8	35171.158858716
l2events	490212



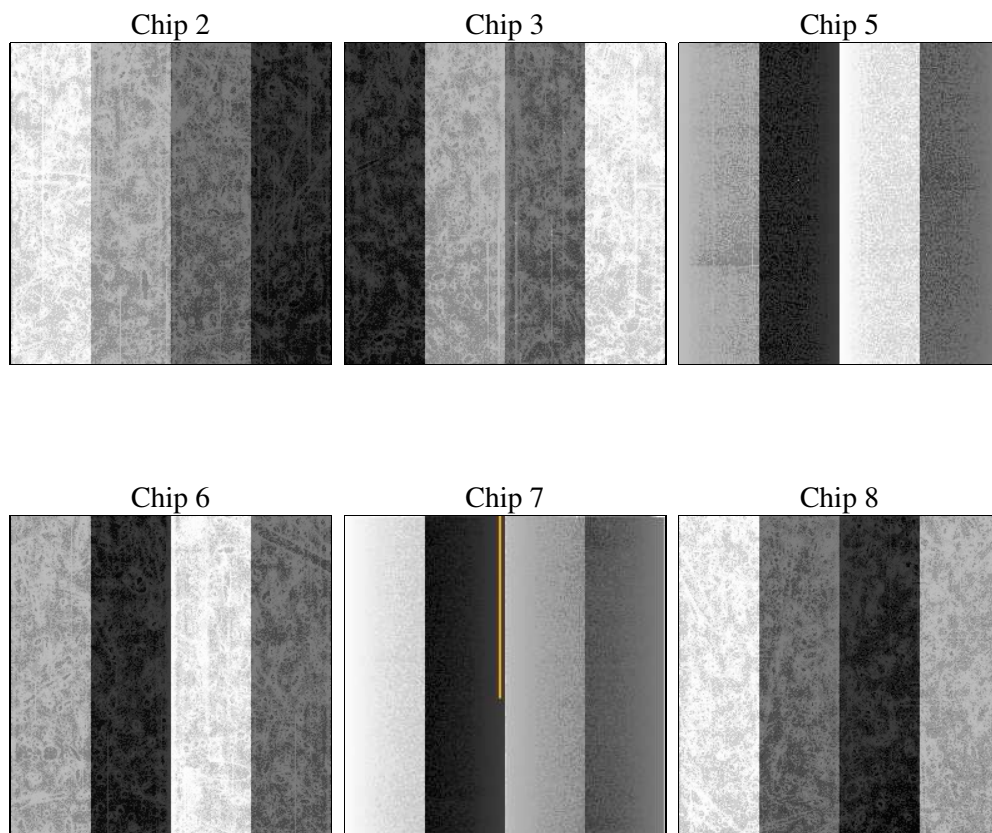
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.4
caldsver	3.4.2
date	2007-12-27T21:51:05
revision	1

sched_exp_time	35000.000000
ontime	35174.399868965
ontime2	35171.158898115
ontime3	35174.399868965
ontime5	35174.399868965
ontime6	35174.399868965
ontime7	35174.399868965
ontime8	35171.158858716
l1events	2044935

2.1.4 Events

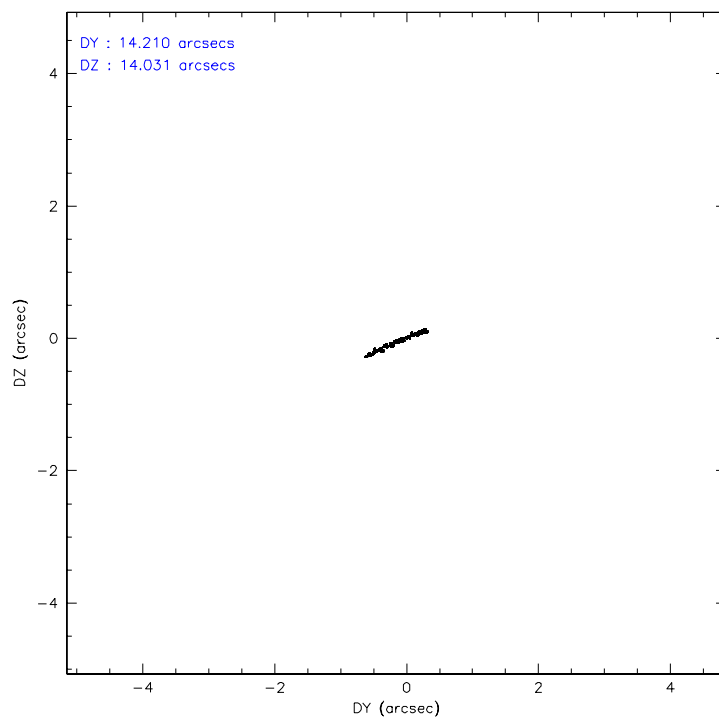
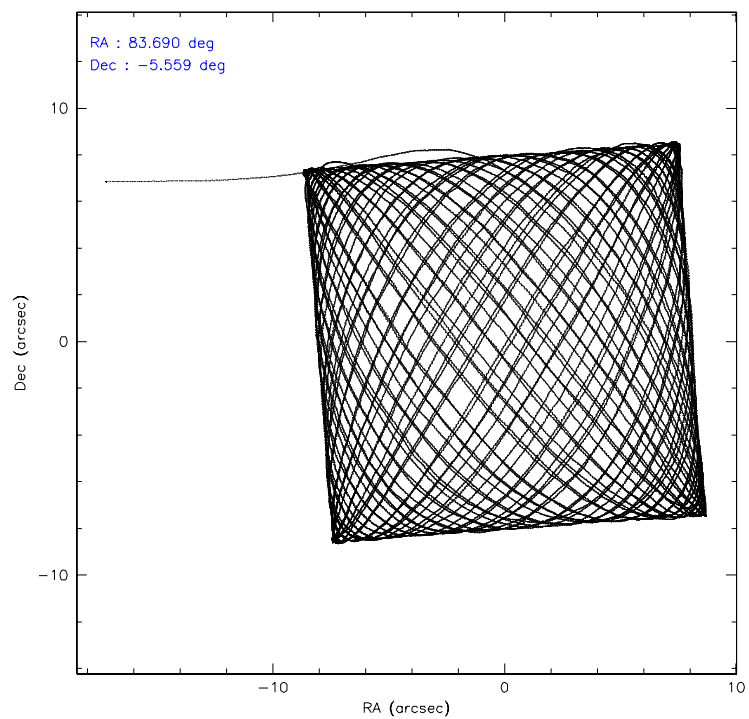
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	312804	284623	439952	312836	335459	359261
rejected events	276466	250997	207210	262257	174659	271589
rejected %	88%	88%	47%	83%	52%	75%

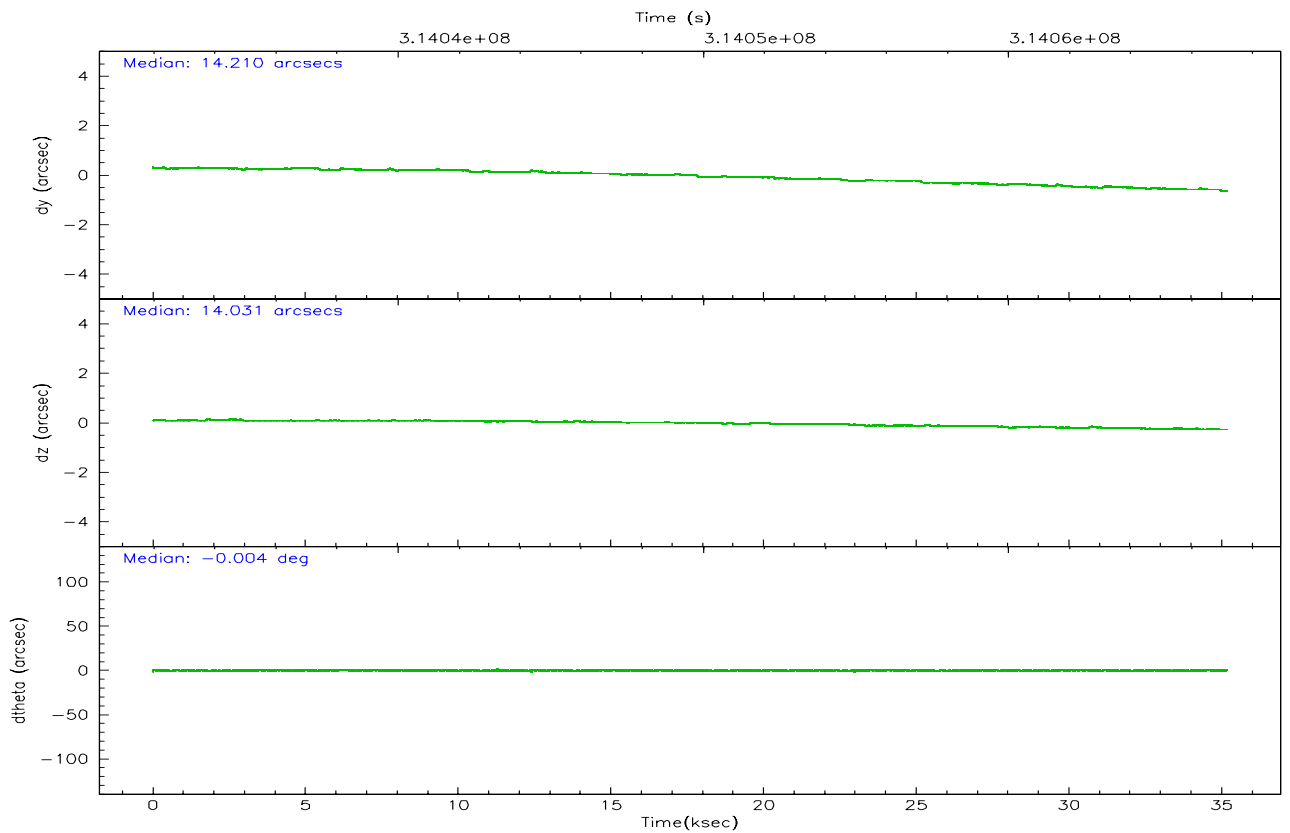
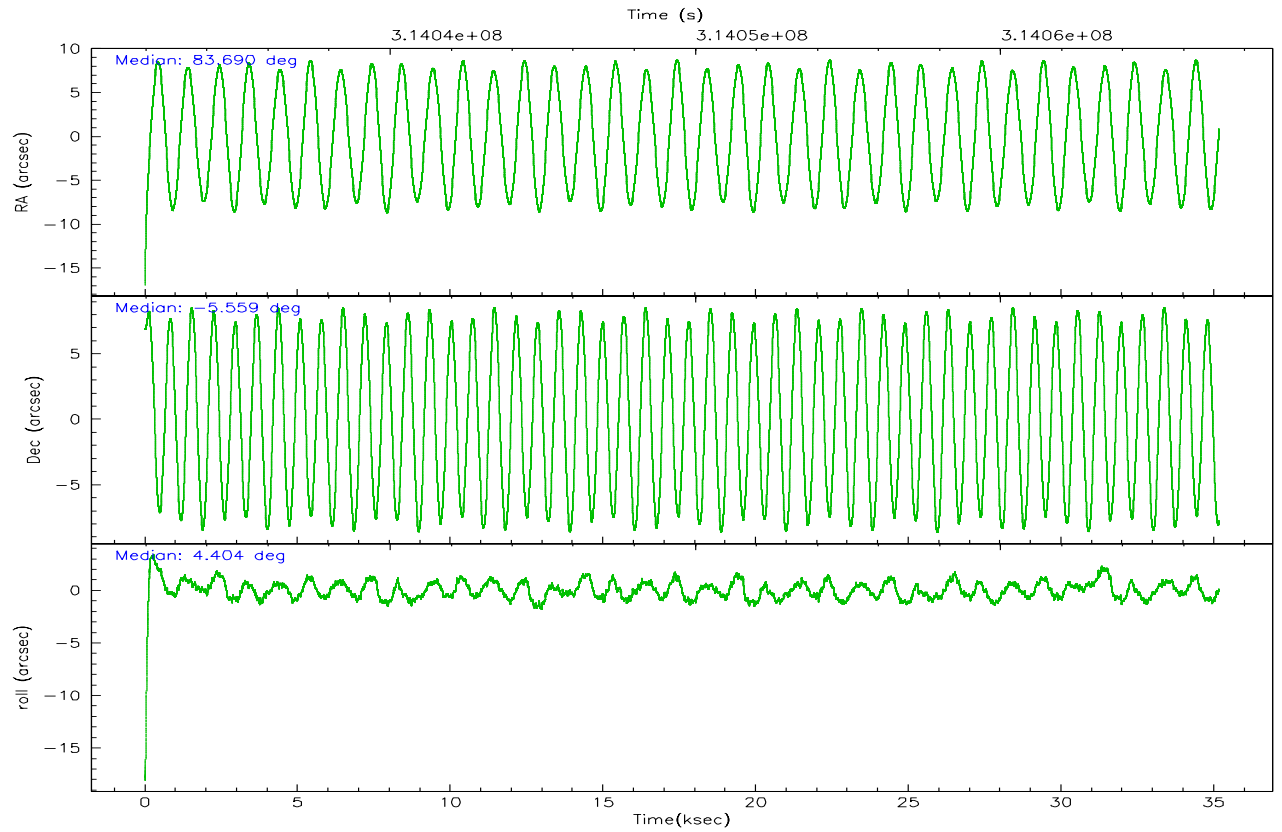
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	17478	15940	47067	27907	18902	27832
	5%	5%	10%	8%	5%	7%
grade 1 events	214	181	986	336	489	290
	0%	0%	0%	0%	0%	0%
grade 2 events	7339	6324	62595	8562	33733	20144
	2%	2%	14%	2%	10%	5%
grade 3 events	3111	3090	10286	3823	15292	8961
	0%	1%	2%	1%	4%	2%
grade 4 events	3248	3089	9494	3880	15105	8372
	1%	1%	2%	1%	4%	2%
grade 5 events	9726	11053	32309	11669	33609	16442
	3%	3%	7%	3%	10%	4%
grade 6 events	5430	5421	104874	6706	78930	22954
	1%	1%	23%	2%	23%	6%
grade 7 events	266258	239525	172341	249953	139399	254266
	85%	84%	39%	79%	41%	70%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
Pointing RA	83.667737	83.69017732779531	CCD I2 on	O1	Y
Pointing Dec	-5.574372	-5.558609260316984	CCD I3 on	O2	Y
Pointing Roll	4.253111	4.411911189601617	CCD S0 on	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
SIM defocus (mm)	0	0.001444936568705701	CCD S2 on	Y	Y
SIM translation stage pos (mm)	-190.132523	-190.145094680475	CCD S3 on	Y	Y
SIM translation stage offset (mm)	0	0.01257209746719923	CCD S4 on	Y	Y
Observation start time	314032154.184000	314030954.66773	CCD S5 on	N	N
Observation start date	2007-12-14T15:08:09	2007-12-14T14:49:14	Number of optional ACIS chips dropped	0	0
Observation end time	314067154.184000	314068404.58204	On-chip summing requested	N	N
Observation end date	2007-12-15T00:51:29	2007-12-15T01:13:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			Primary exposure time	0.000000	3.2

2.3 Aspect



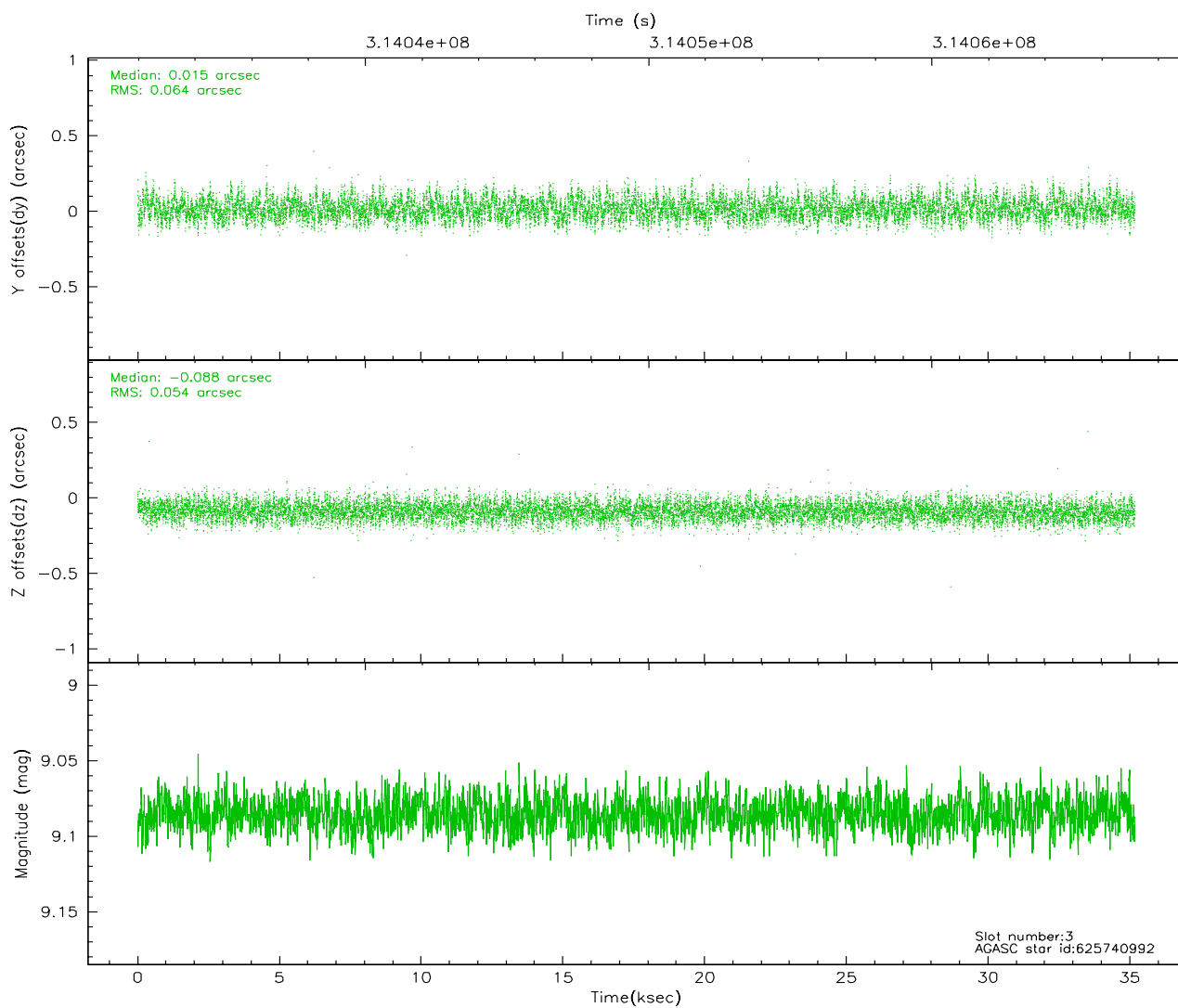
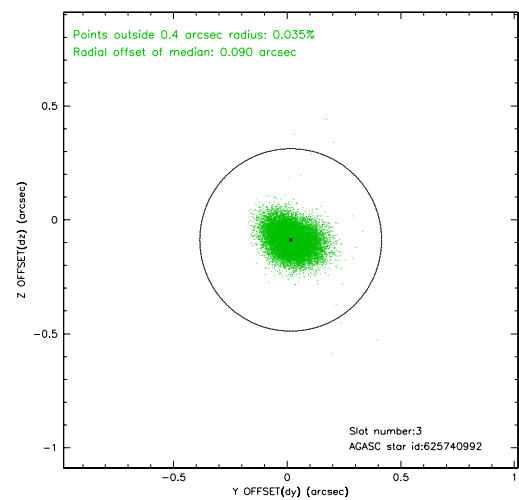
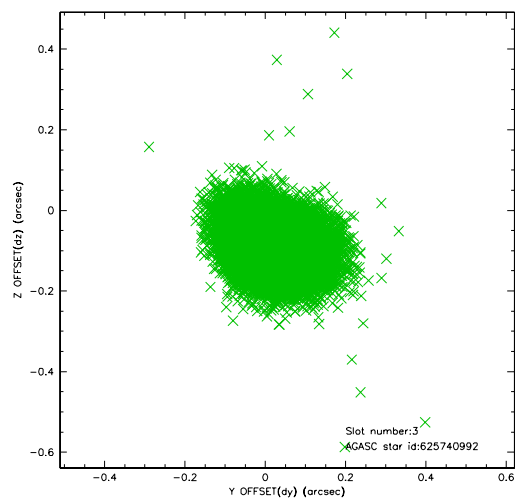


Slot Statistics

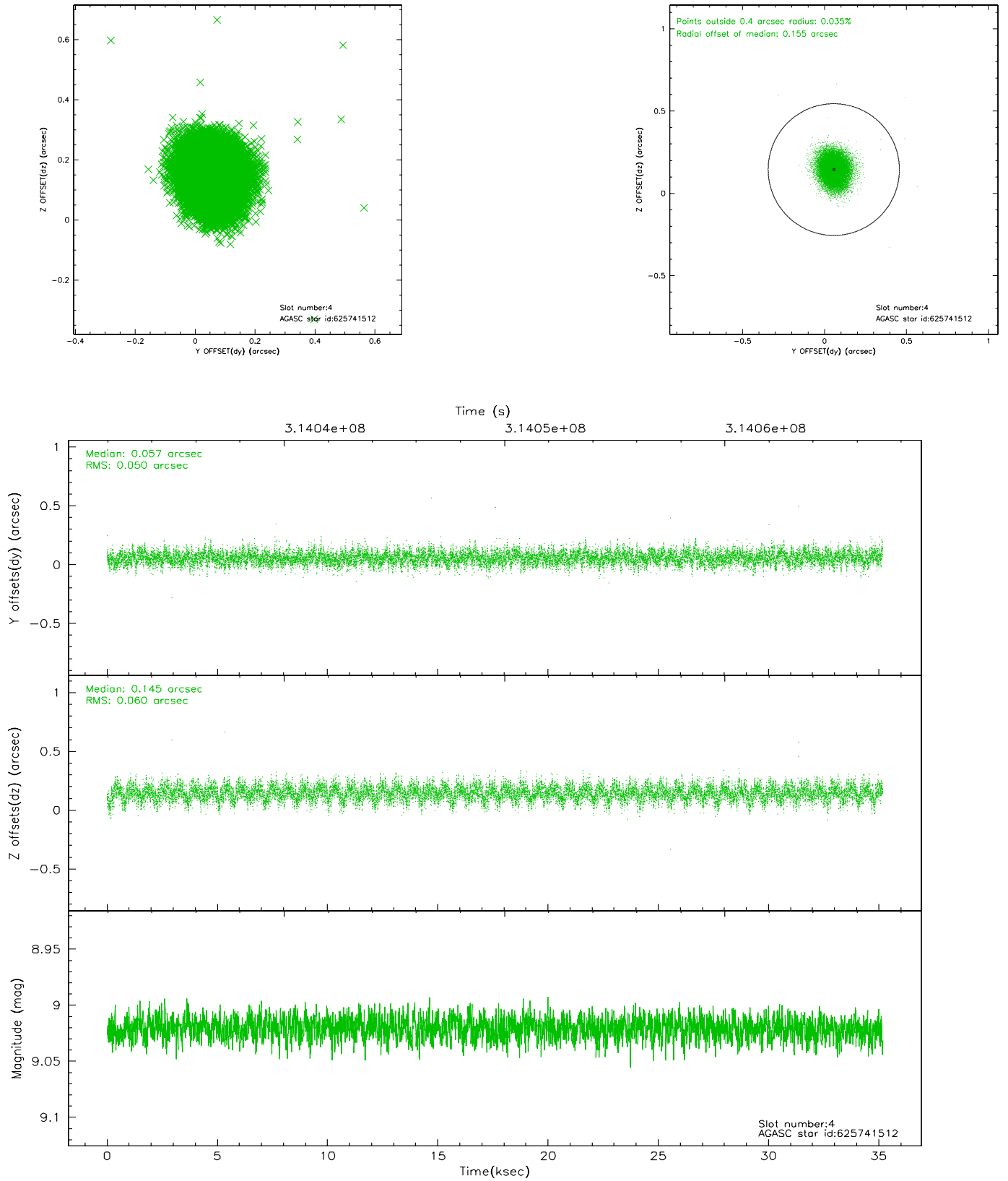
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	8581	-0.058	-0.039	0.014	0.024	0.000000	0.000000	-767.14	-1735.29
1	FID	ACIS-S-4	7.19	8579	0.157	0.038	0.012	0.028	0.000000	0.000000	2146.32	173.23
2	FID	ACIS-S-5	7.22	8580	-0.130	0.010	0.009	0.014	0.000000	0.000000	-1820.01	166.92
3	GUIDE	625740992	9.09	17139	0.015	-0.088	0.088	0.144	83.193672	-4.960928	-1531.88	2327.68
4	GUIDE	625741512	9.02	17151	0.057	0.145	0.083	0.135	83.281151	-5.340585	-1319.31	941.92
5	GUIDE	626265688	9.28	17135	-0.070	-0.110	0.083	0.134	83.158748	-5.995438	-1929.48	-1377.50
6	GUIDE	626273040	7.11	17159	0.011	0.068	0.069	0.113	84.062610	-5.647920	1391.36	-369.10
7	GUIDE	626272760	6.65	17161	-0.025	-0.012	0.071	0.131	84.363987	-5.938389	2389.53	-1492.87

2.4 Star Slots

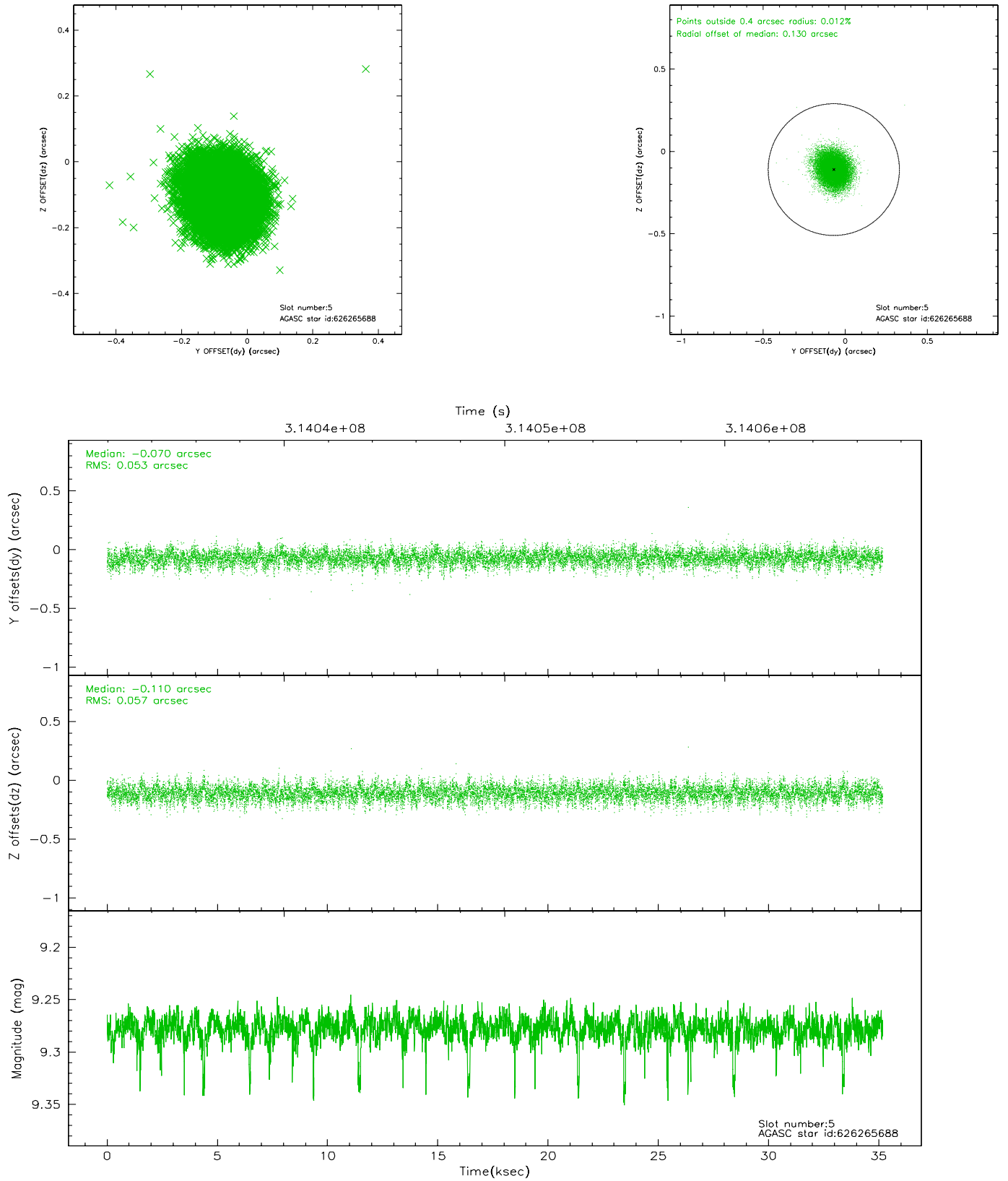
2.4.1 Slot 3



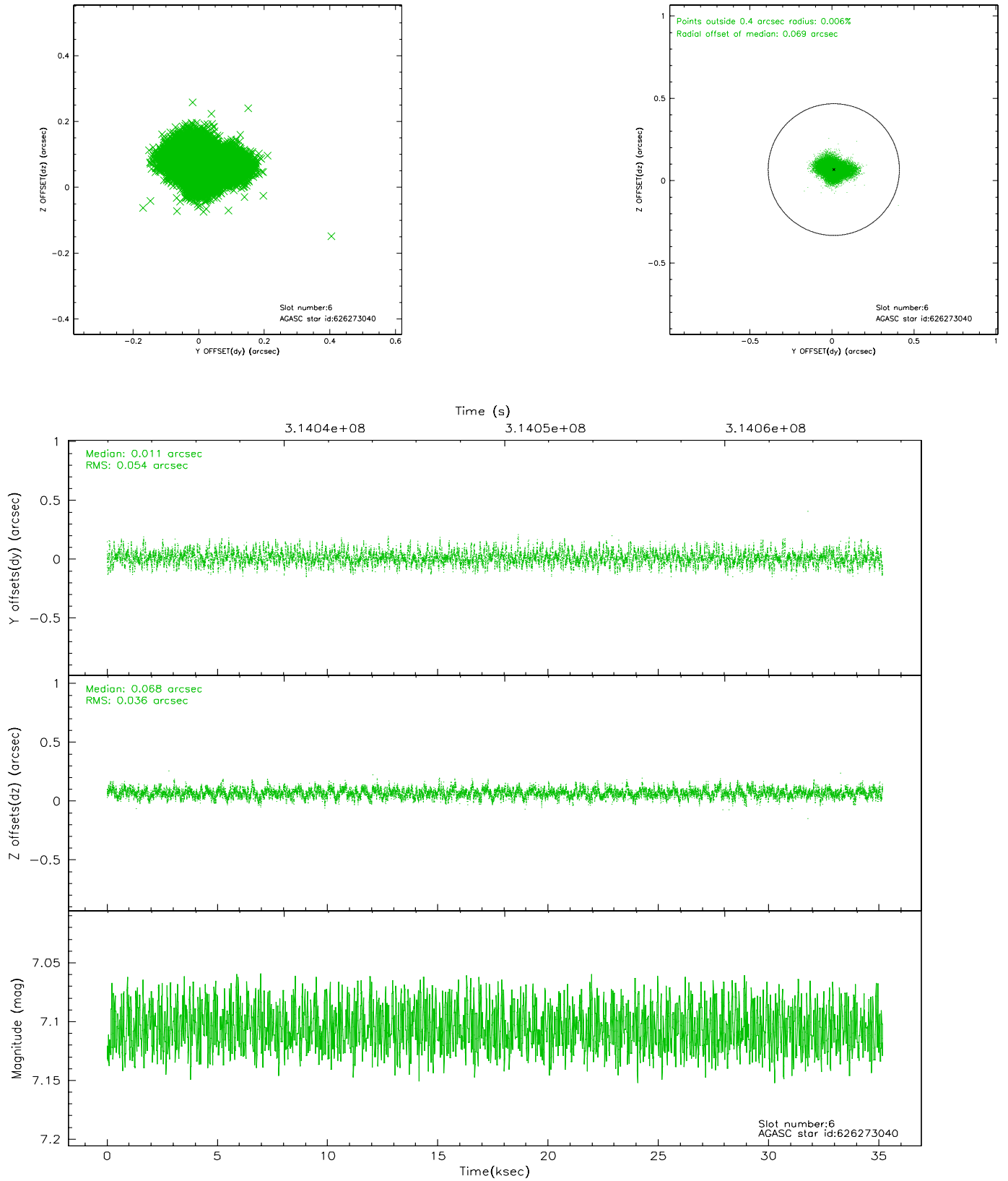
2.4.2 Slot 4



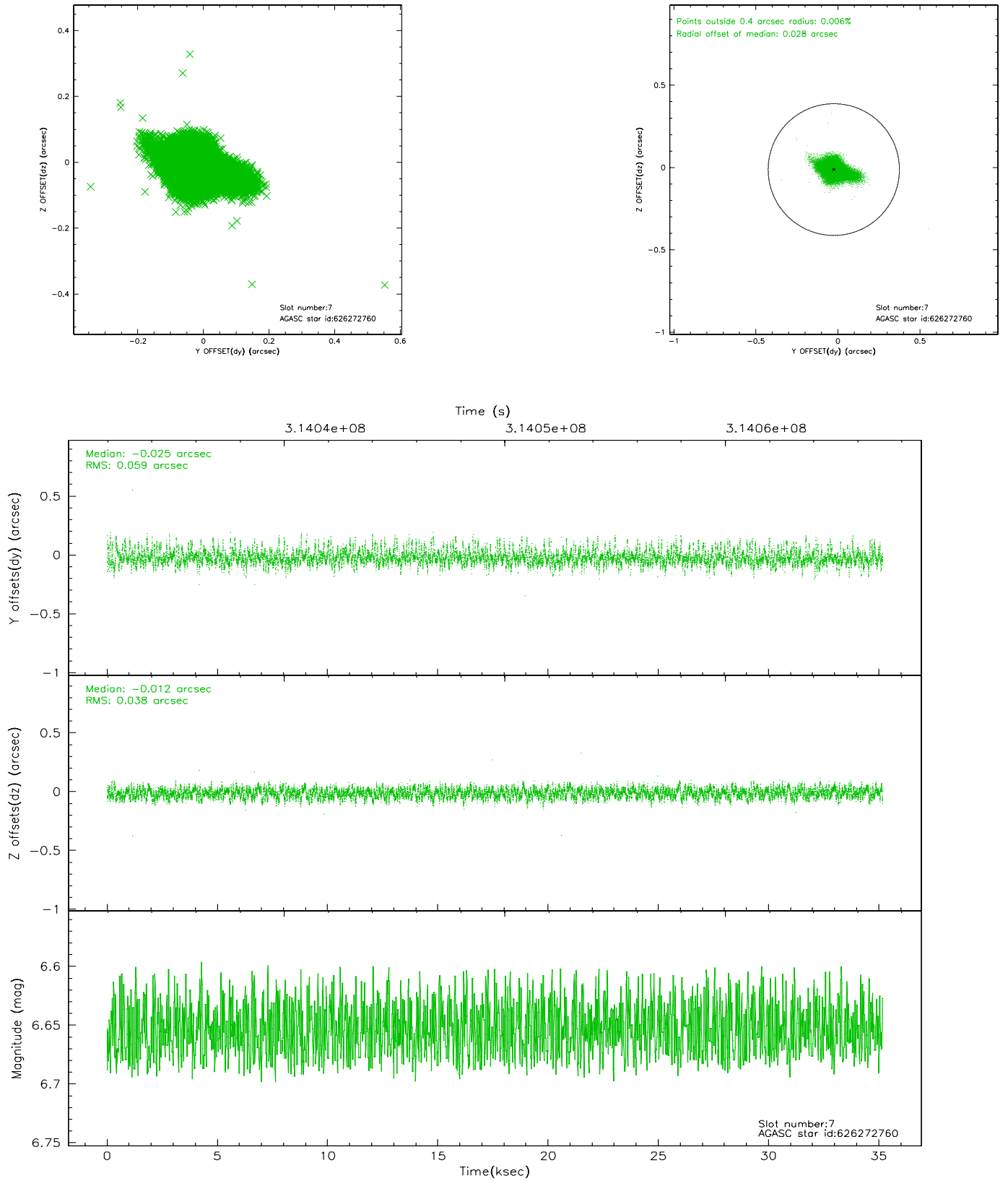
2.4.3 Slot 5



2.4.4 Slot 6

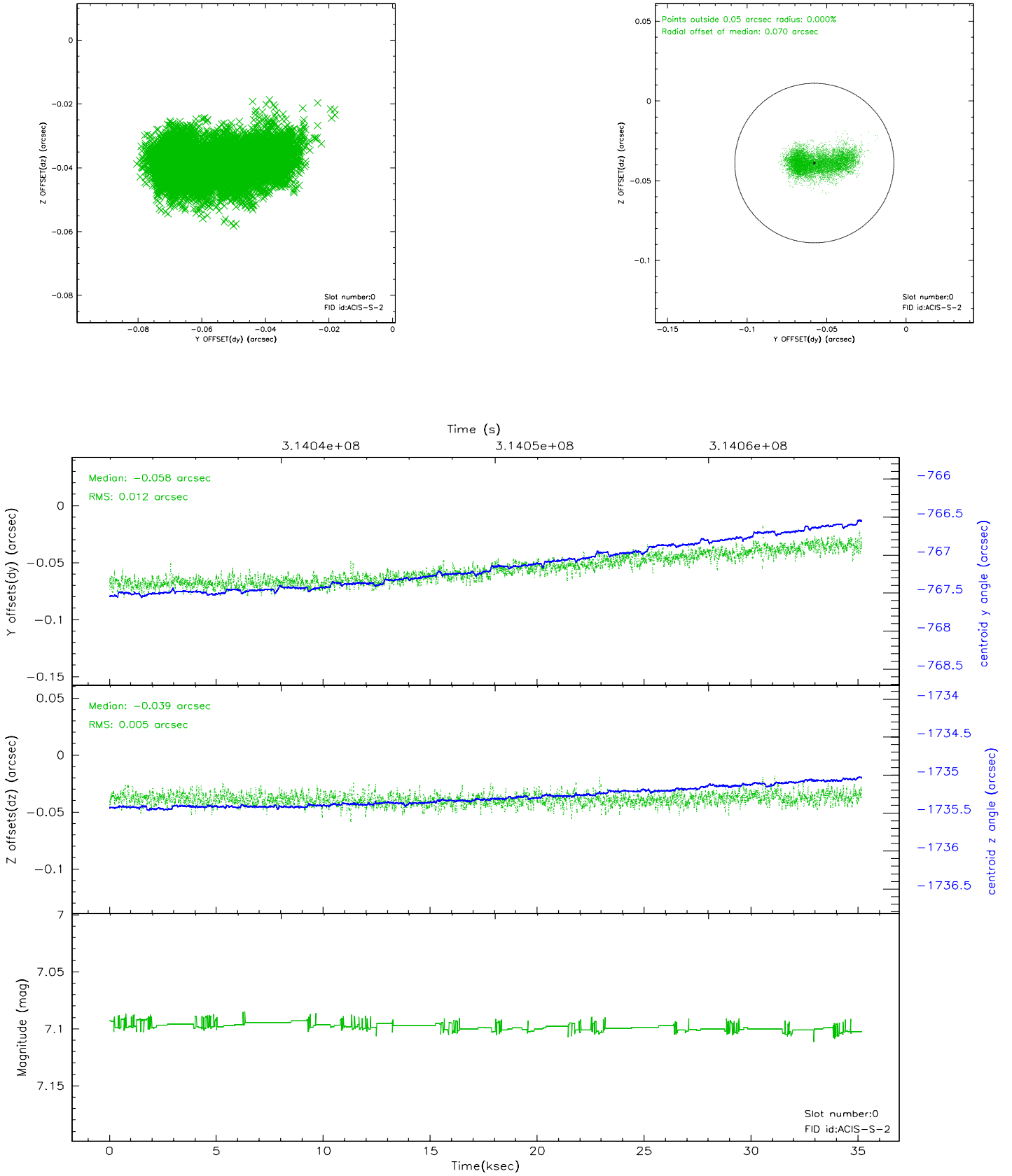


2.4.5 Slot 7

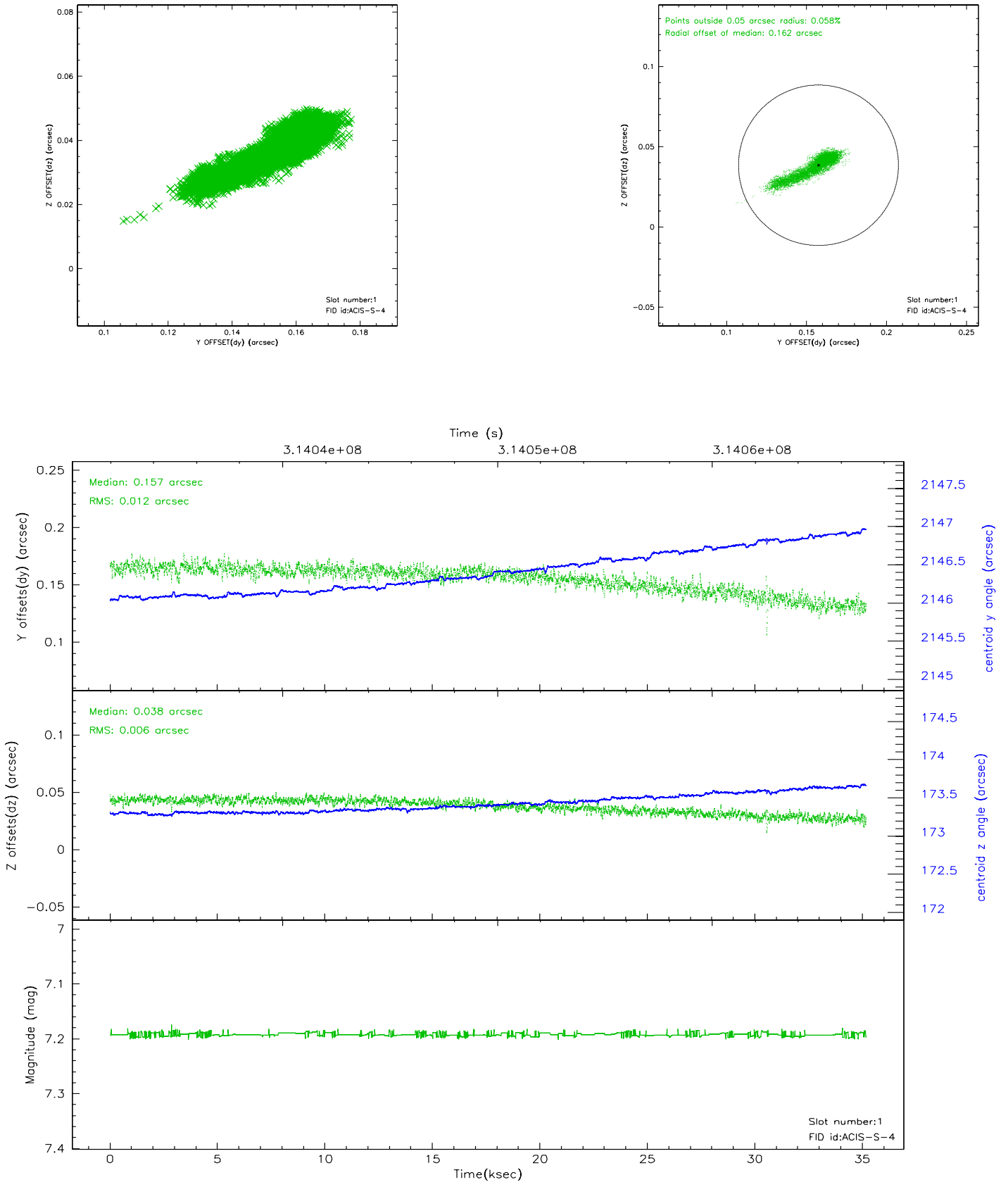


2.5 FID Slots

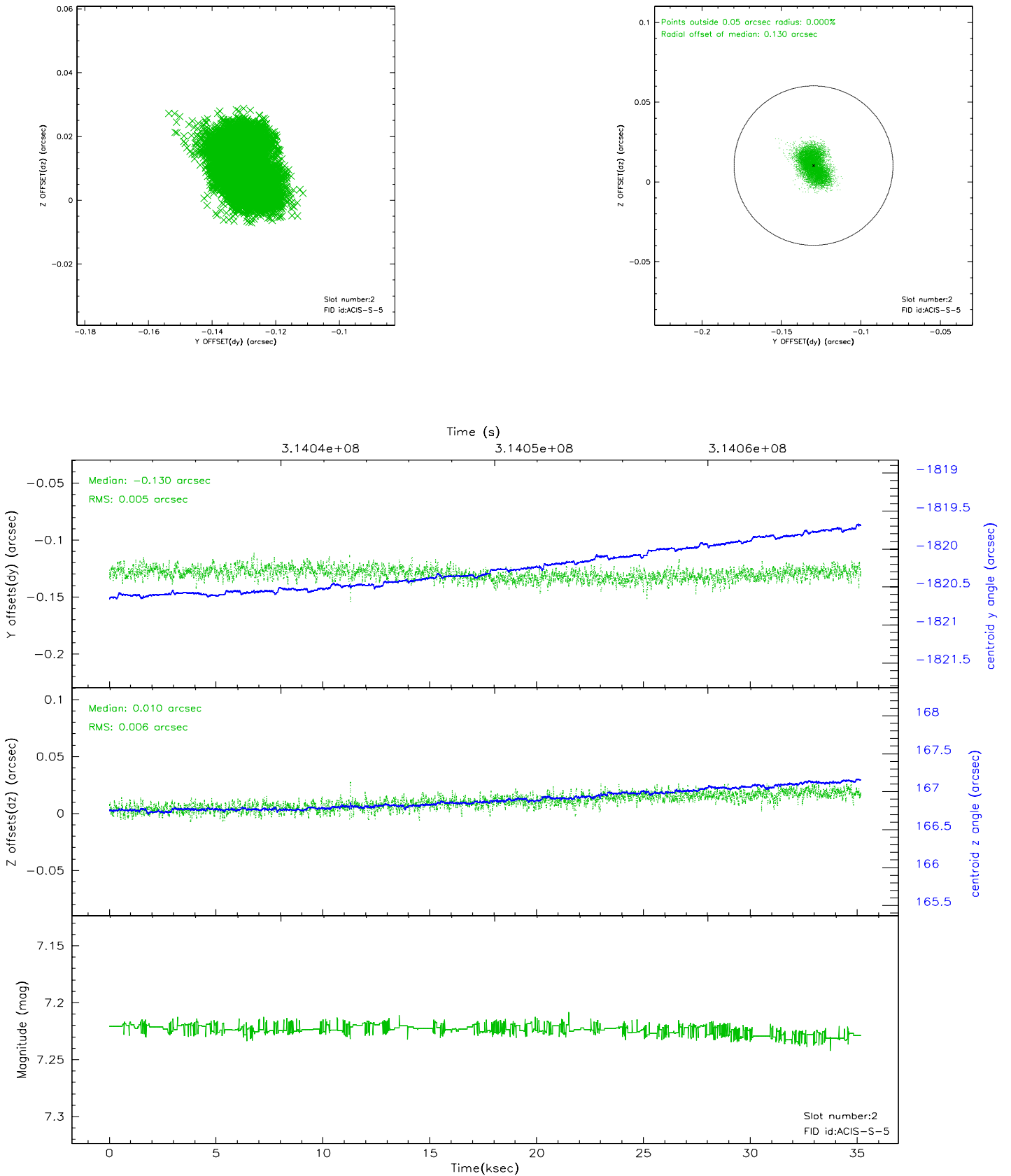
2.5.1 Slot 0



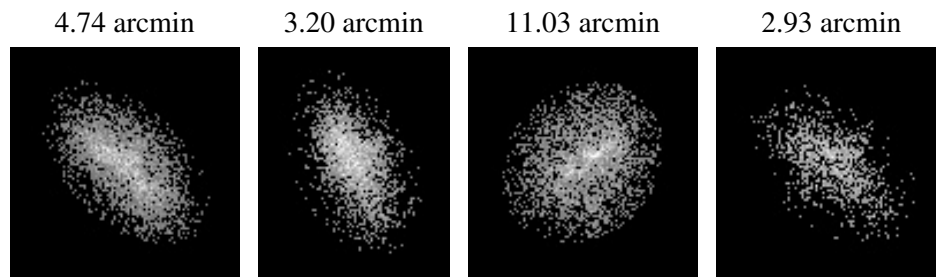
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.12.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.1743998

A.2 Comments

No ACIS housekeeping data were collected and downlinked for this observation,
do to an operational issue. The only negative impact on the observation is the
lack of accurate focal plane temperature data which is used for instrument
calibration. In order to process the data, ACIS housekeeping files were
constructed that assumed a focal plane temperature of -119.7 degrees C.
The instrument gain files are available only for -120 and -110 degrees
C,
so this assumption should have no impact on the currently processed
data.