

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 9925 - L2 Version 2
Chandra X-Ray Center

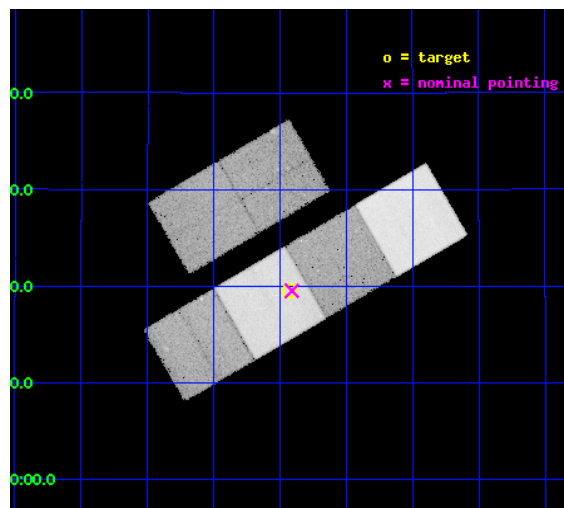
L2 Processing Date : Jun 13 2012

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1 Front

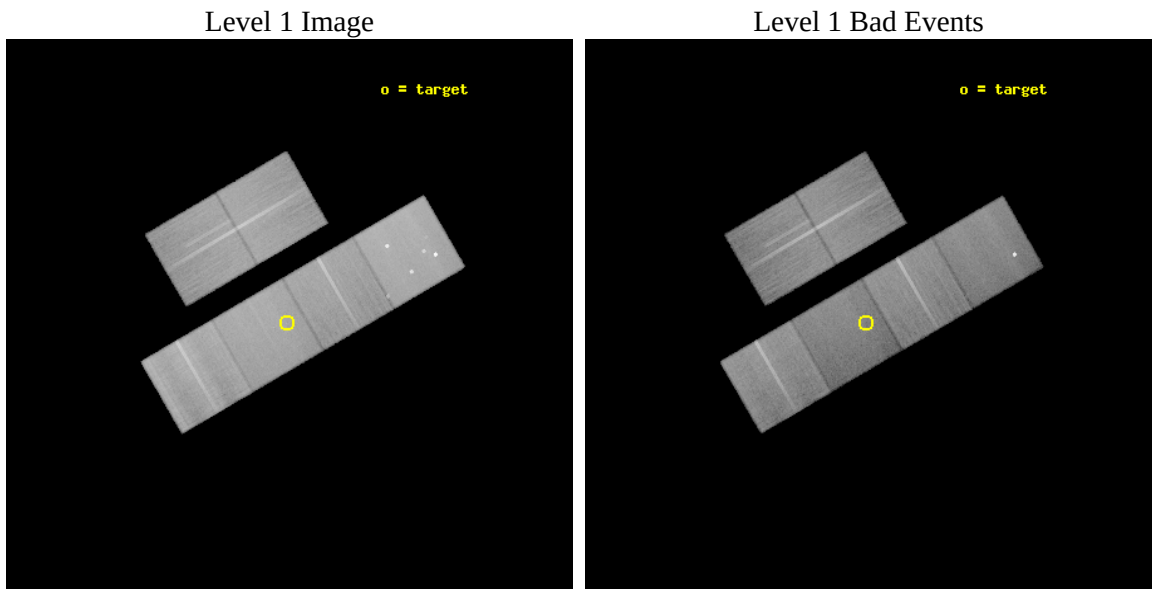
seq_num	200541	Sequence number
obs_id	9925	Observation id
title	Exploring the Stable Coronae of LP349-25 through X-ray and Radio Emission	Proposal title
observer	Dr. rachel osten	Principal investigator
object	LP349-25	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.982917	Observer's specified target RA [deg]
dec_targ	22.325778	Observer's specified target Dec [deg]
ra_nom	6.9776840938863	Nominal RA [deg]
dec_nom	22.325656607766	Nominal Dec [deg]
roll_nom	149.78184930672	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37673.599859715	Sum of GTIs [s]
livetime	37196.554053972	Livetime [s]
ontime2	37657.394717813	Sum of GTIs [s]
ontime3	37673.599859715	Sum of GTIs [s]
ontime5	37673.599859715	Sum of GTIs [s]
ontime6	37673.599859715	Sum of GTIs [s]
ontime7	37673.599859715	Sum of GTIs [s]
ontime8	37660.635738492	Sum of GTIs [s]
l2events	495557	Number of level 2 events



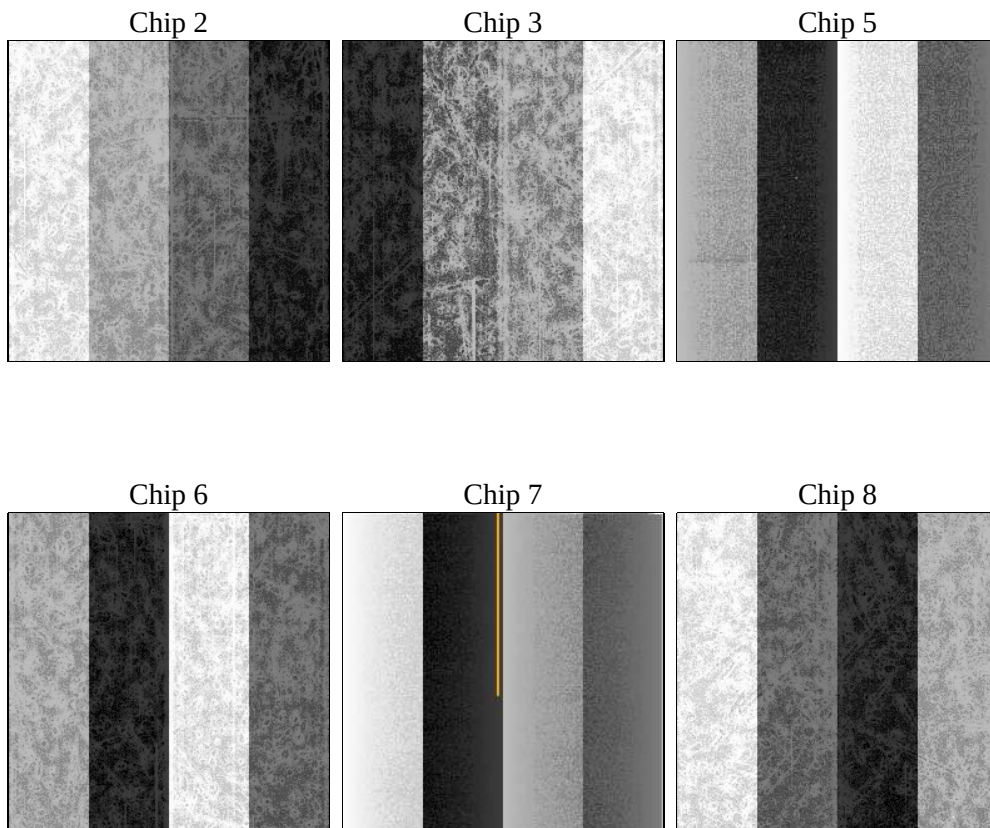
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	37673.599859715	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	37657.394717813	Sum of GTIs [s]
date	2012-06-13T06:09:30	Date and time of file creation	ontime3	37673.599859715	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	37673.599859715	Sum of GTIs [s]
			ontime6	37673.599859715	Sum of GTIs [s]
			ontime7	37673.599859715	Sum of GTIs [s]
			ontime8	37660.635738492	Sum of GTIs [s]
			l1events	2264894	Number of level 1 events

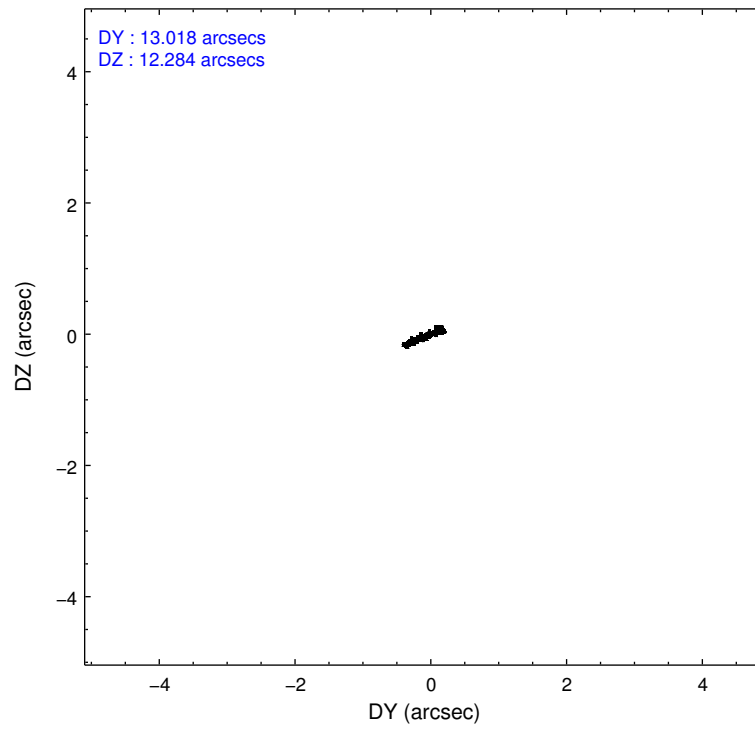
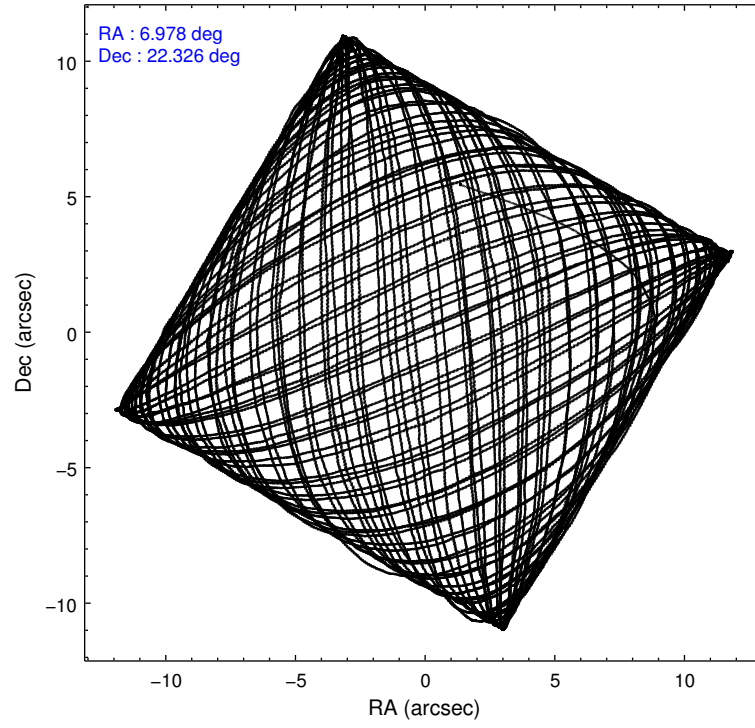
2.1.4 Events

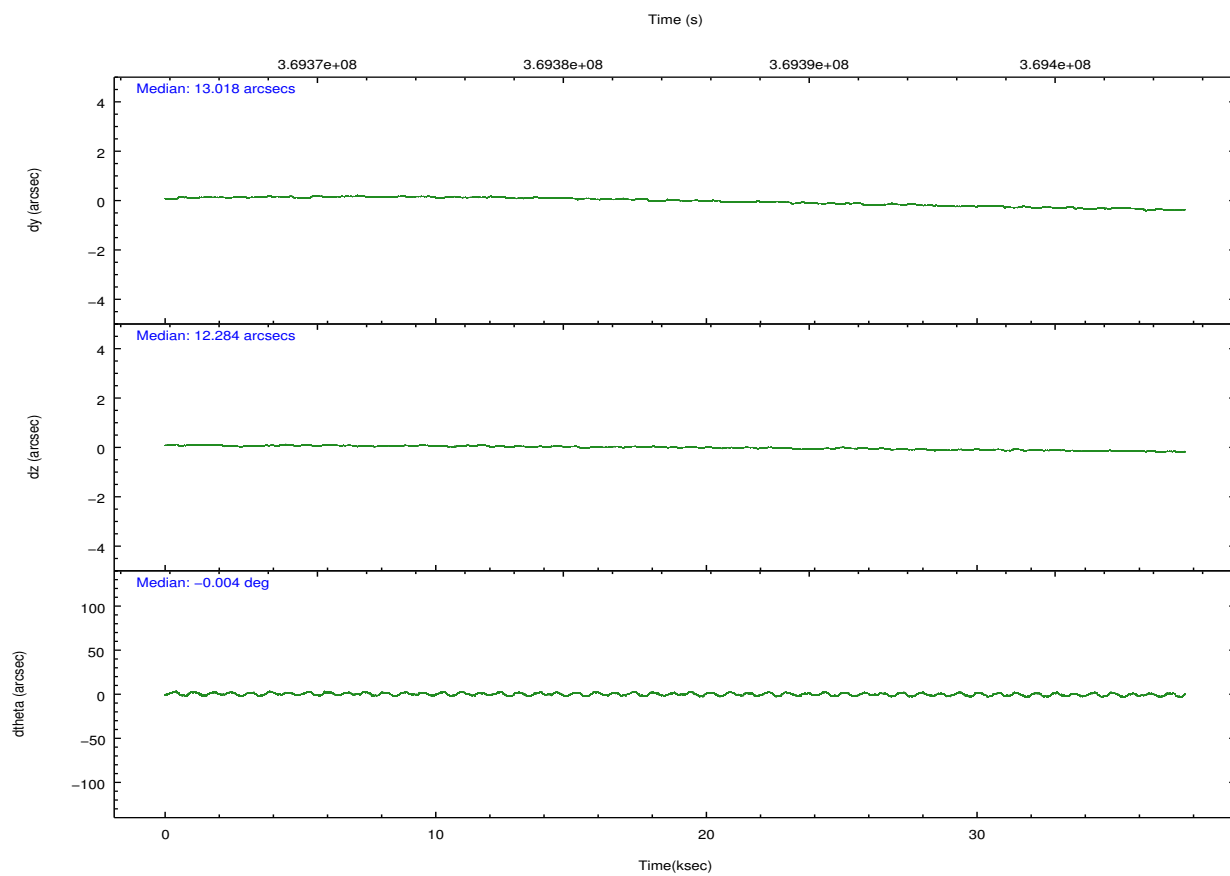
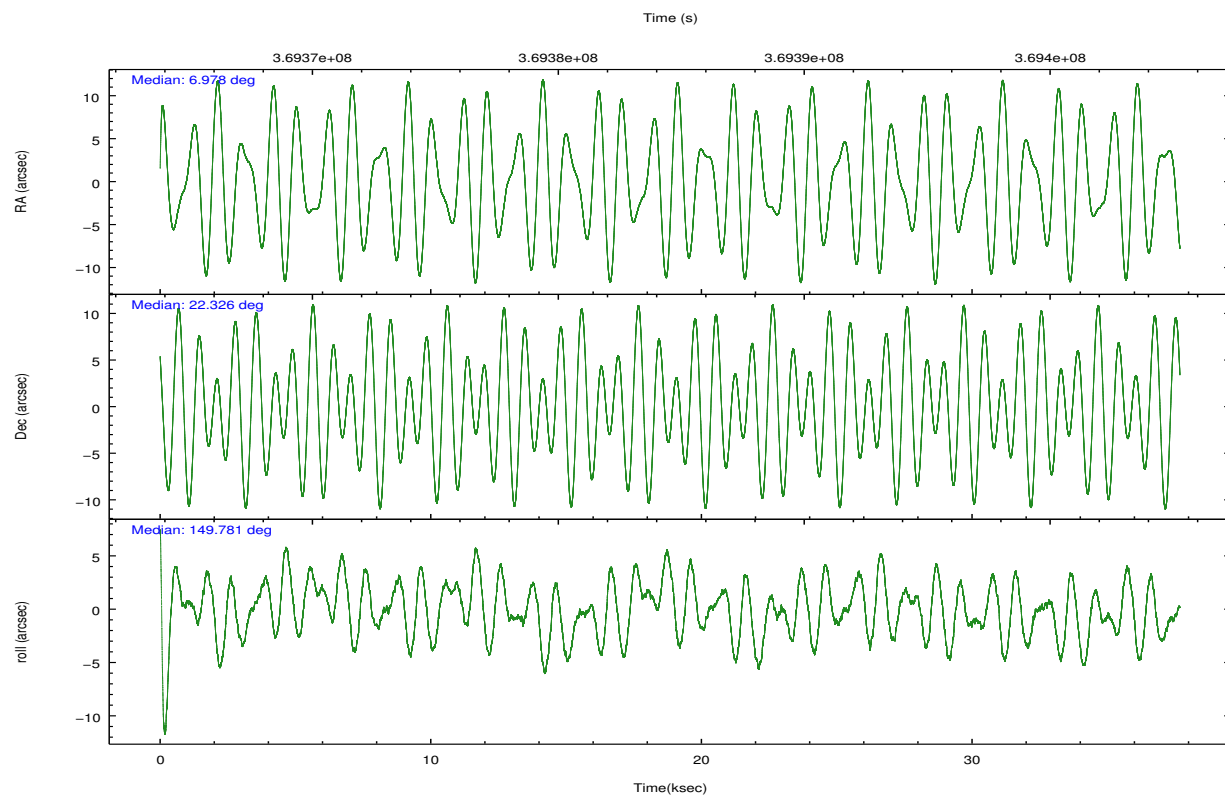
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	347954	314718	484620	331293	372902	413407	grade 0 events	11784	10655	30785	11754	15707	29683
rejected events	315136	284050	243927	297271	204204	310703		3%	3%	6%	3%	4%	7%
rejected %	90%	90%	50%	89%	54%	75%	grade 1 events	190	222	972	161	555	299
								0%	0%	0%	0%	0%	0%
							grade 2 events	8017	6815	71762	7604	34511	23816
								2%	2%	14%	2%	9%	5%
							grade 3 events	3356	3457	8819	3586	14858	11244
								0%	1%	1%	1%	3%	2%
							grade 4 events	3485	3431	8295	3609	14502	10454
								1%	1%	1%	1%	3%	2%
							grade 5 events	11057	13301	36415	13636	38456	19629
								3%	4%	7%	4%	10%	4%
							grade 6 events	6194	6338	121250	7498	89241	27680
								1%	2%	25%	2%	23%	6%
							grade 7 events	303871	270499	206322	283445	165072	290602
								87%	85%	42%	85%	44%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
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
[deg] Pointing RA	7.007233	6.977684093886321	CCD I2 on	O1	Y
[deg] Pointing Dec	22.325918	22.32565660776572	CCD I3 on	O2	Y
[deg] Pointing Roll	149.613997	149.7818493067192	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O3	Y
[s] Observation start time (MET)	369365877.184000	369364789.32925	CCD S5 on	N	N
Observation start date	2009-09-15T01:36:51	2009-09-15T01:19:49	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	369403377.184000	369404142.66873	On-chip summing requested	N	N
Observation end date	2009-09-15T12:01:51	2009-09-15T12:15:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



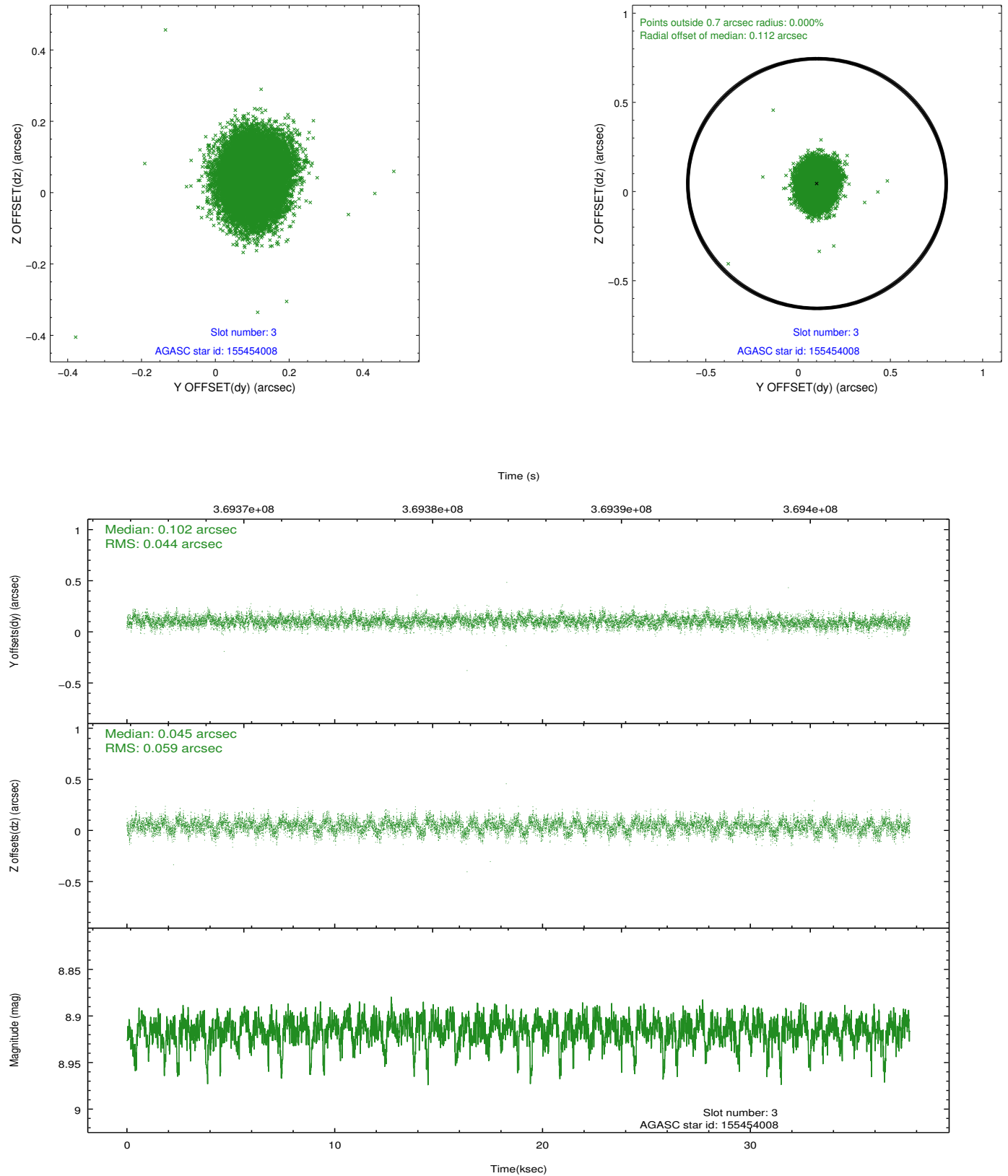


Slot Statistics

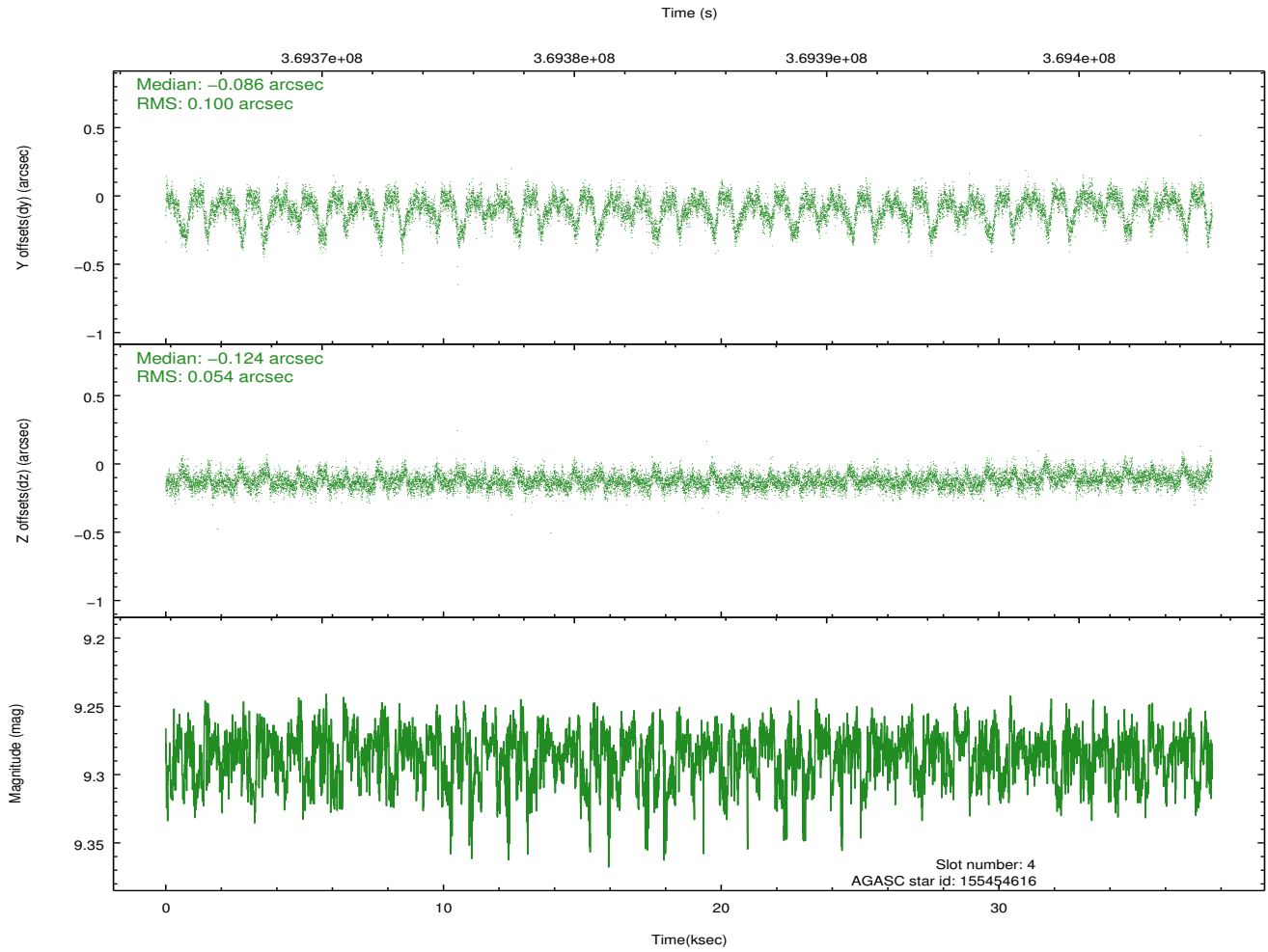
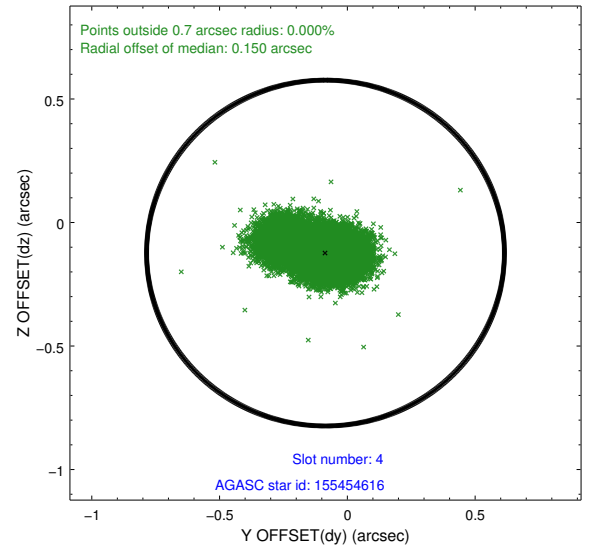
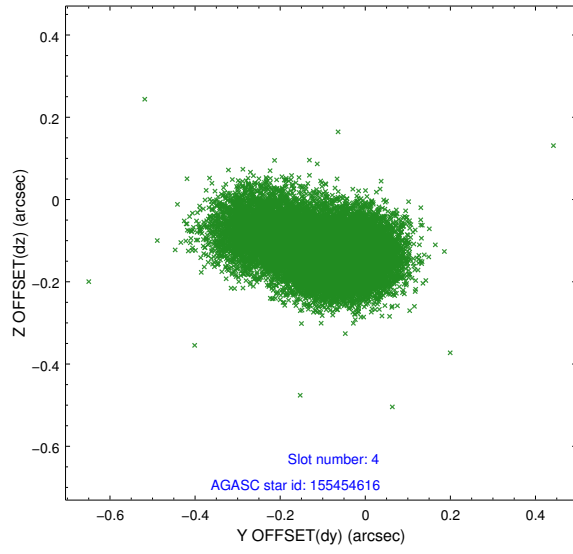
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	9191	-0.016	-0.018	0.014	0.023	0.000000	0.000000	-765.92	-1733.54
1	FID	ACIS-S-4	7.00	9191	0.131	0.012	0.019	0.032	0.000000	0.000000	2147.50	174.94
2	FID	ACIS-S-5	7.05	9190	-0.147	0.014	0.014	0.023	0.000000	0.000000	-1818.85	168.65
3	GUIDE	155454008	8.92	18363	0.102	0.045	0.079	0.127	7.548774	22.400295	-1417.31	-1145.27
4	GUIDE	155454616	9.28	18348	-0.086	-0.124	0.114	0.215	6.345703	22.275671	1812.07	1267.17
5	GUIDE	226897344	8.94	18369	-0.258	-0.054	0.087	0.142	6.443284	22.706538	2310.69	-237.45
6	GUIDE	155454592	9.35	18357	0.155	-0.021	0.112	0.184	7.604926	22.195497	-1953.78	-605.77
7	GUIDE	226898312	9.05	18366	0.093	0.162	0.109	0.168	7.629253	22.768963	-974.45	-2423.10

2.4 Star Slots

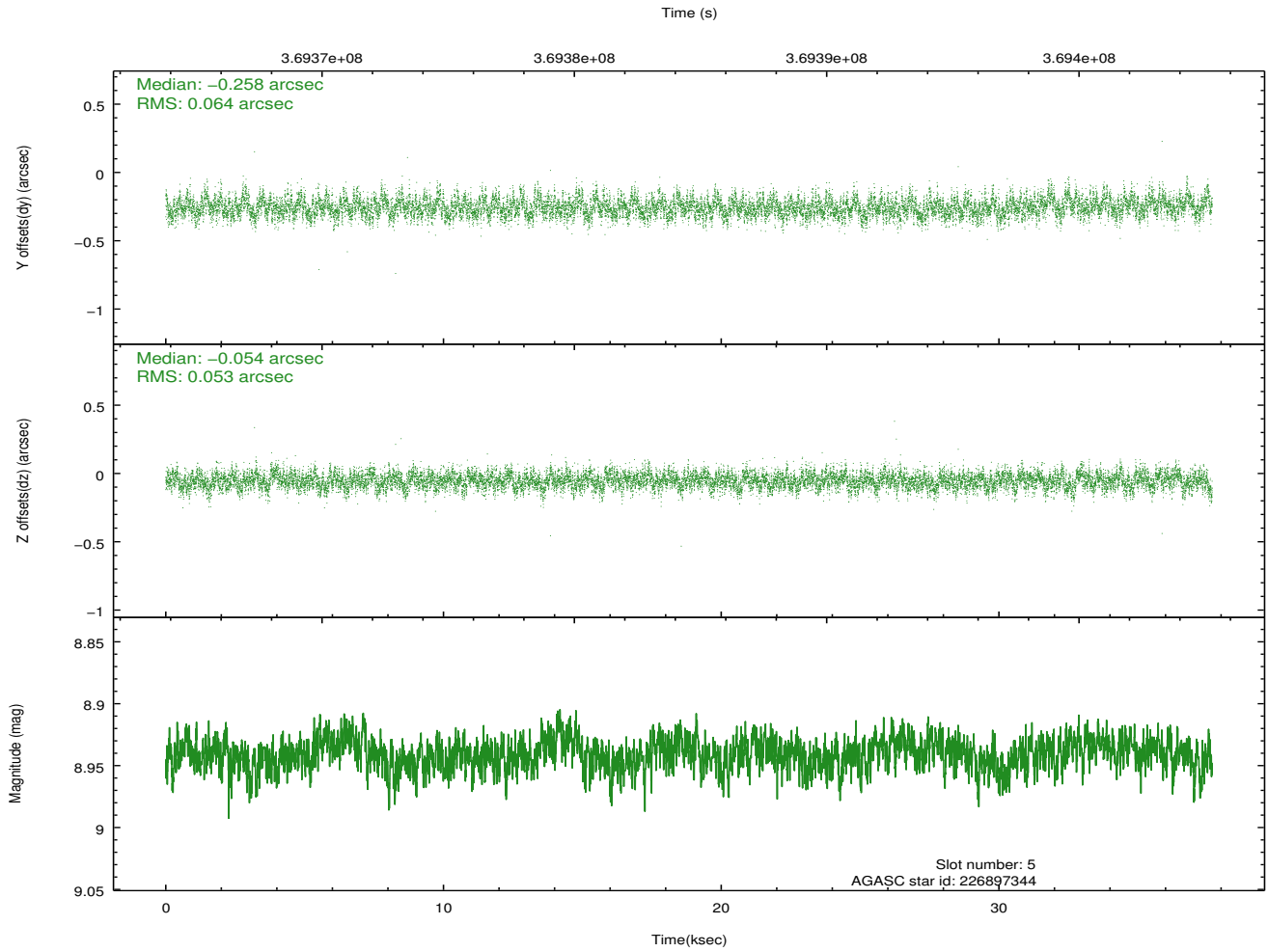
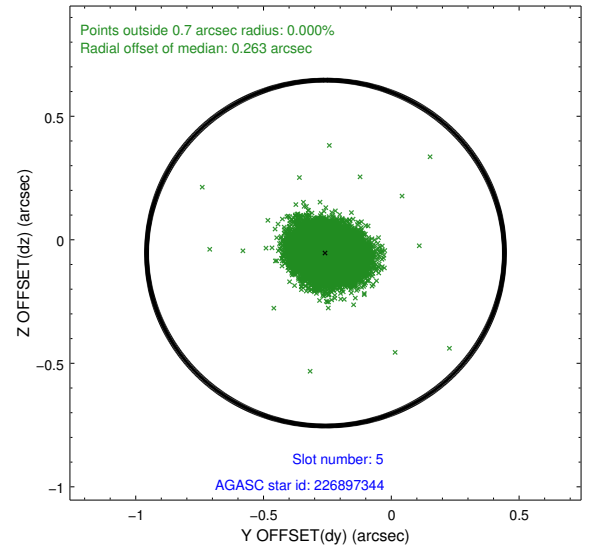
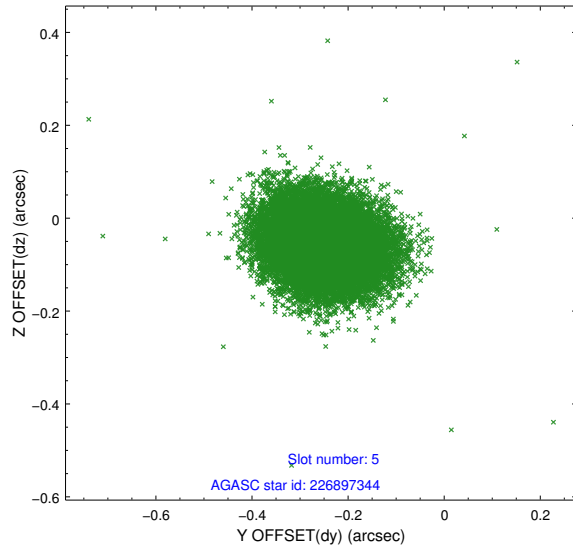
2.4.1 Slot 3



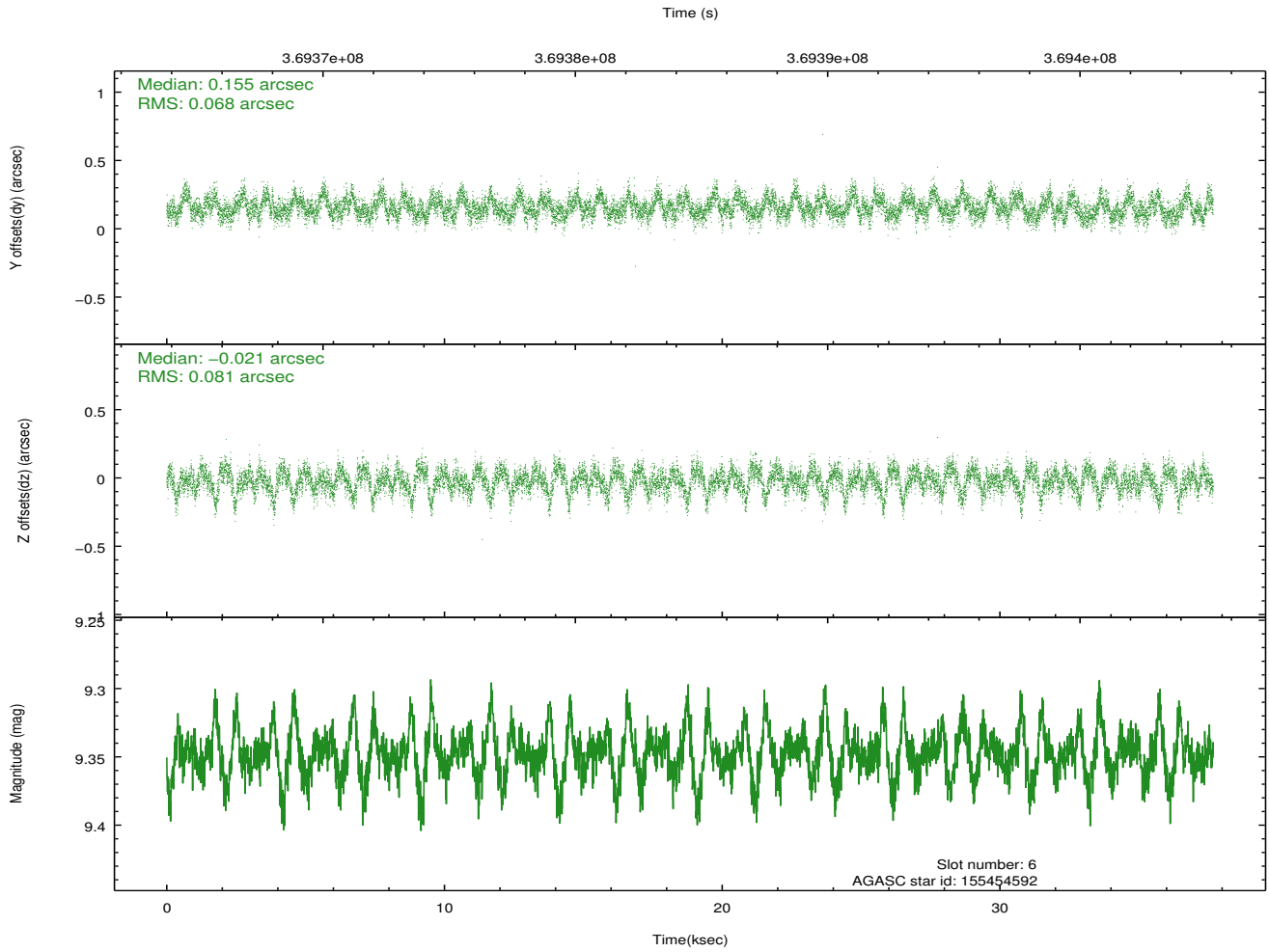
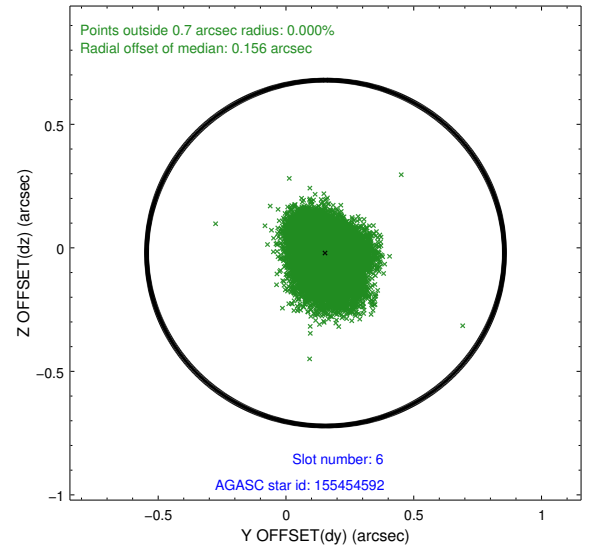
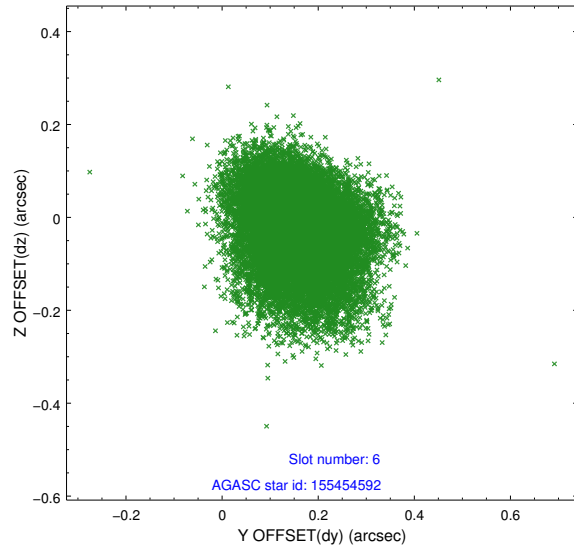
2.4.2 Slot 4



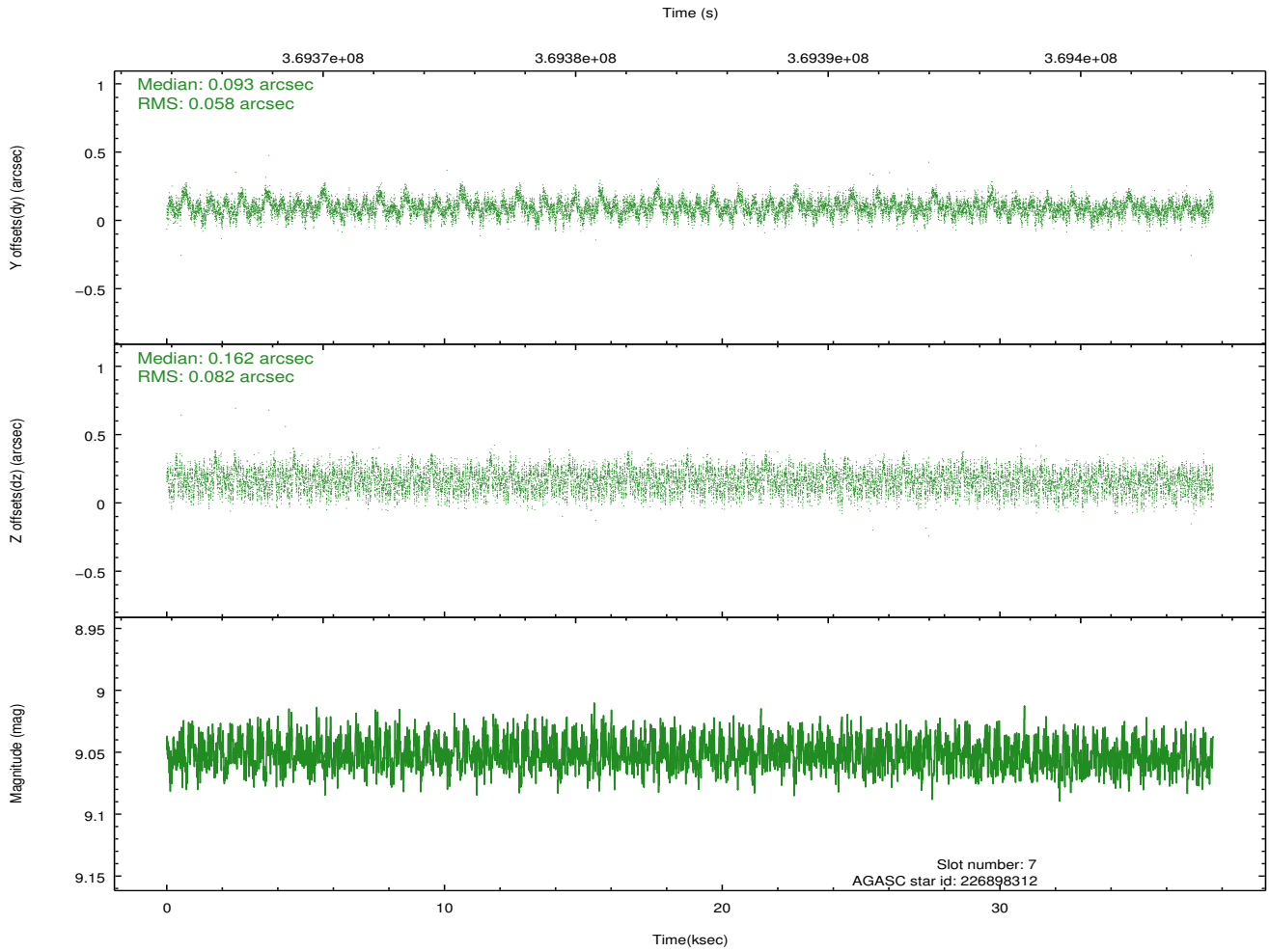
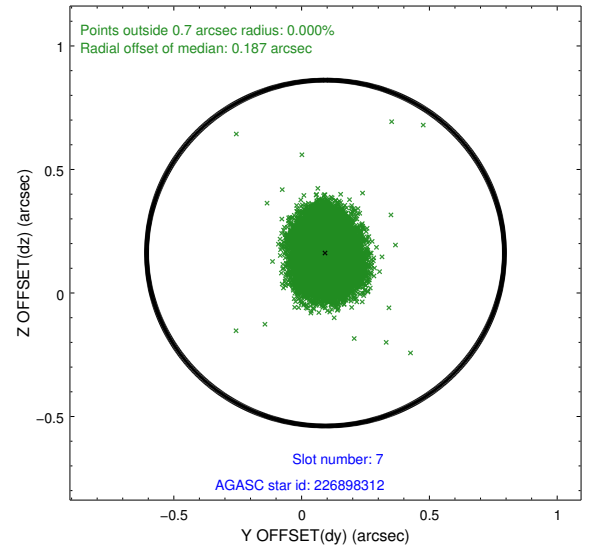
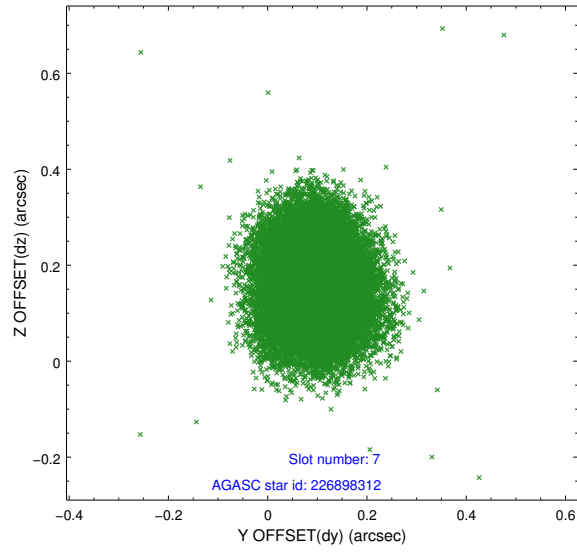
2.4.3 Slot 5



2.4.4 Slot 6

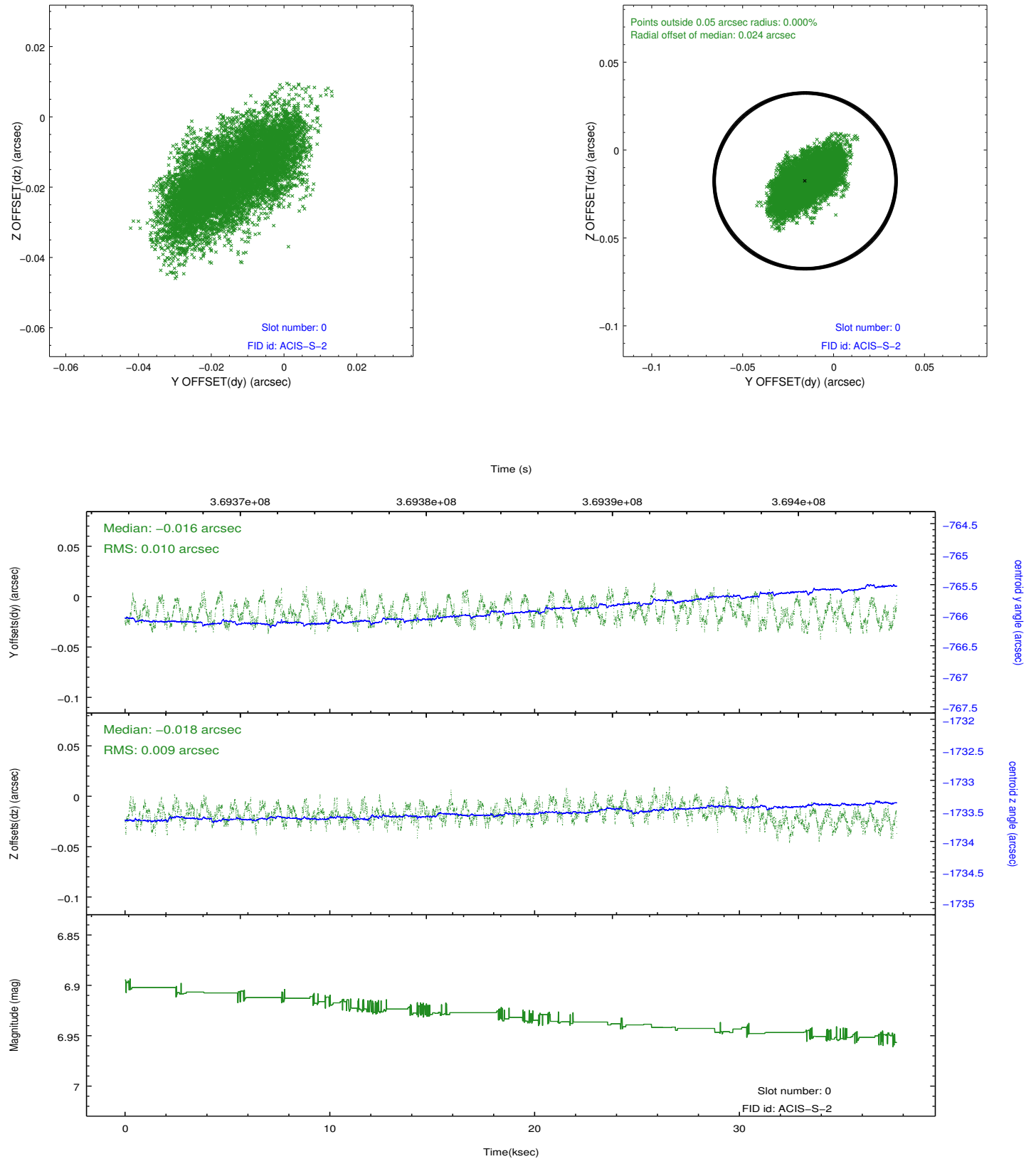


2.4.5 Slot 7

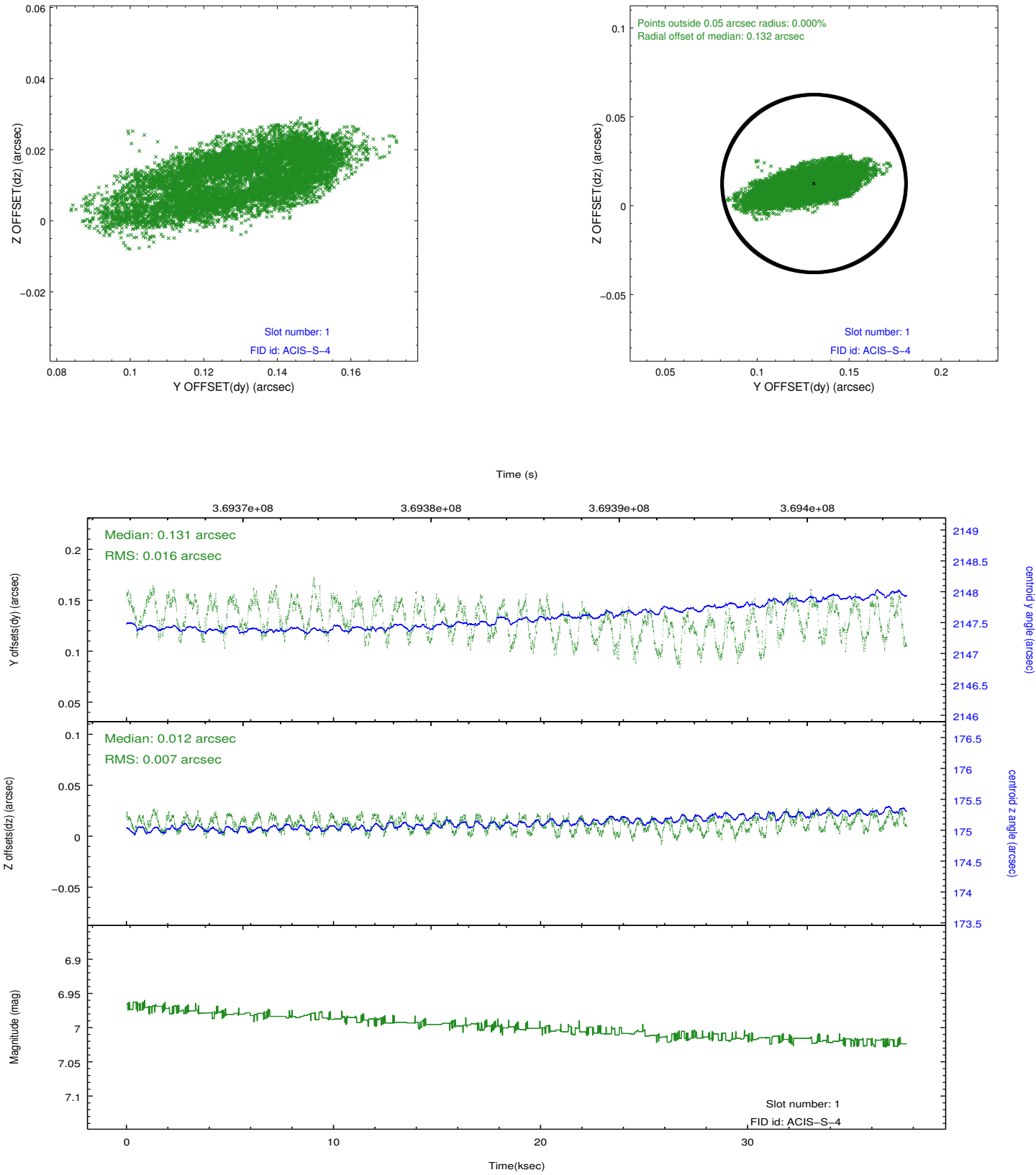


2.5 FID Slots

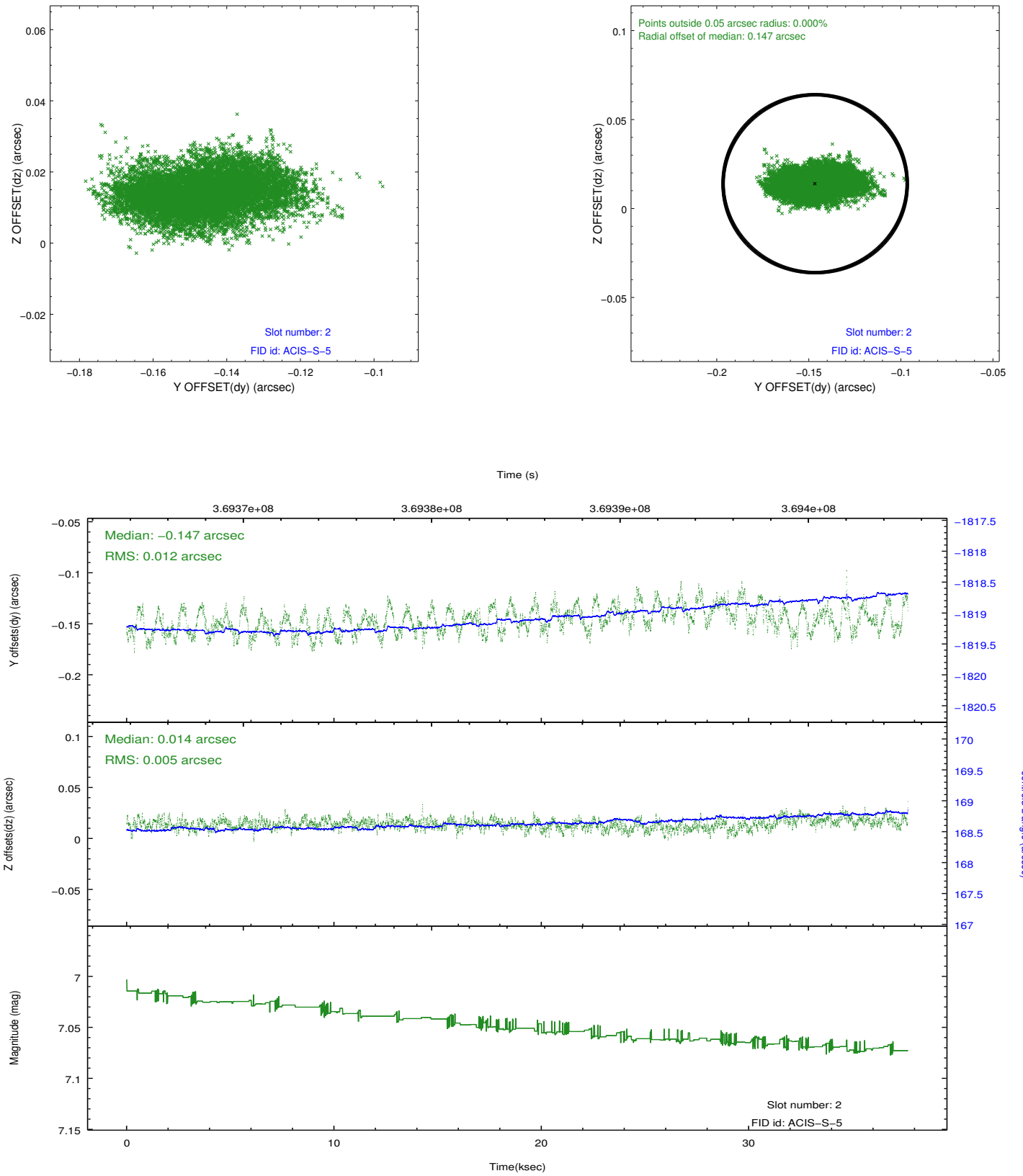
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.673599859715

A.2 Comments

Joint Proposal: NRAO