

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1592 - L2 Version 3
Chandra X-Ray Center

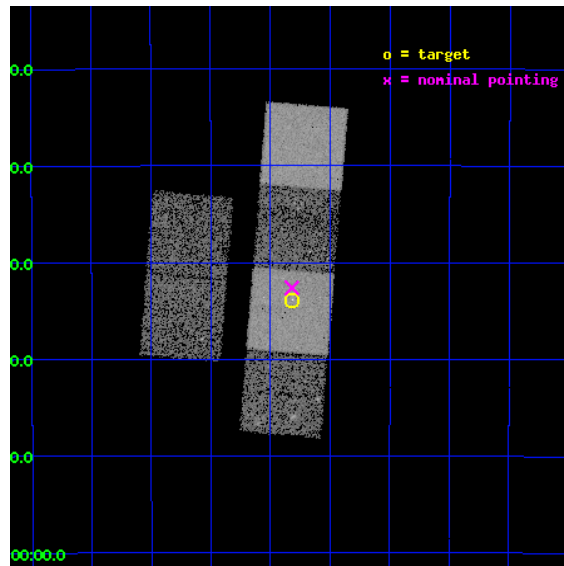
L2 Processing Date : Sep 2 2012

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1 Front

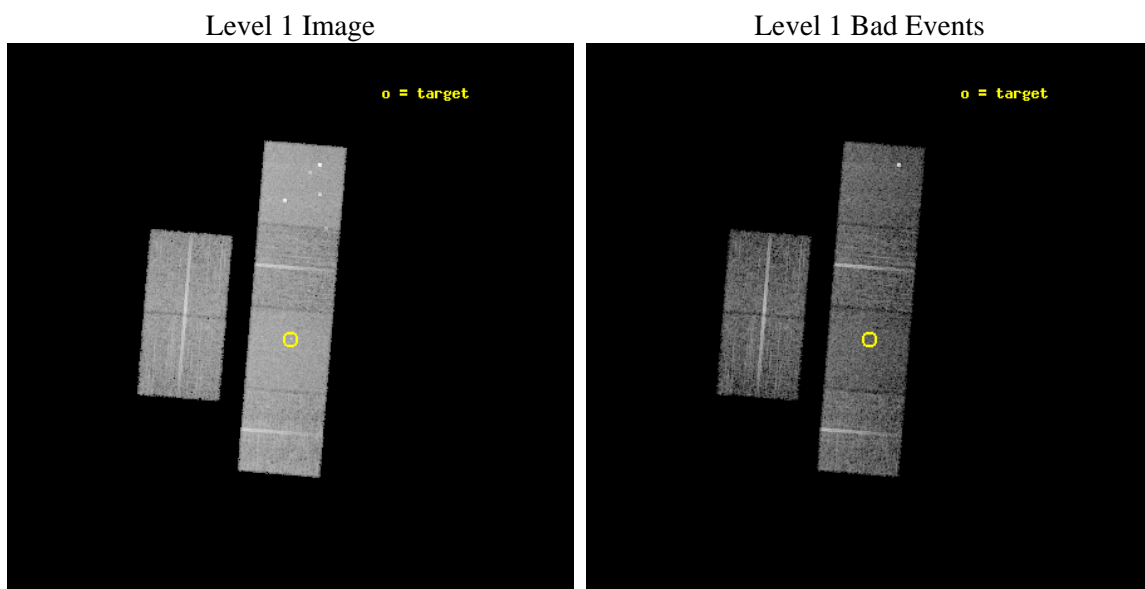
seq_num	700208	Sequence number
obs_id	1592	Observation id
title	SCATTERED EMISSION FROM THE SEYFERT 2 GALAXY IC2560	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	IC2560	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.08	Observer's specified target RA [deg]
dec_targ	-33.564722	Observer's specified target Dec [deg]
ra_nom	154.0801416941	Nominal RA [deg]
dec_nom	-33.543784880184	Nominal Dec [deg]
roll_nom	94.701727449025	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9952.0000092536	Sum of GTIs [s]
livetime	9825.9817927615	Livetime [s]
ontime2	9952.0000092536	Sum of GTIs [s]
ontime3	9952.0000092536	Sum of GTIs [s]
ontime5	9952.0000092536	Sum of GTIs [s]
ontime6	9952.0000092536	Sum of GTIs [s]
ontime7	9952.0000092536	Sum of GTIs [s]
ontime8	9952.0000092536	Sum of GTIs [s]
l2events	91238	Number of level 2 events



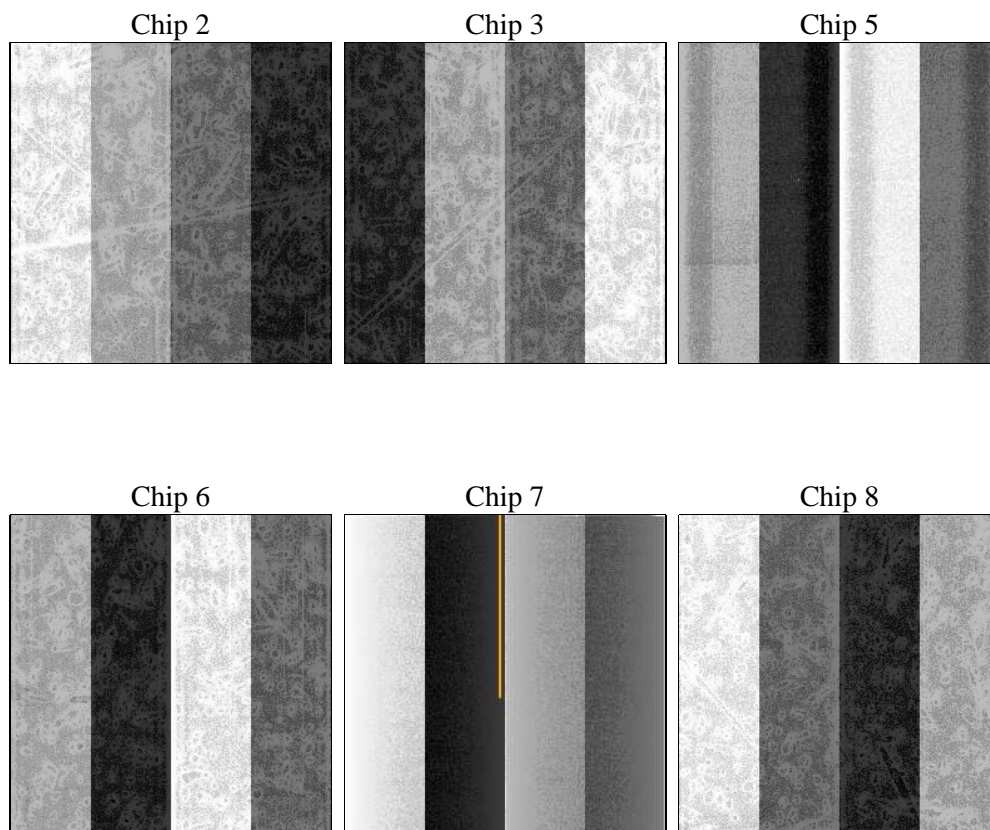
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9952.0000092536	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	9952.0000092536	Sum of GTIs [s]
date	2012-09-03T00:32:55	Date and time of file creation	ontime3	9952.0000092536	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9952.0000092536	Sum of GTIs [s]
			ontime6	9952.0000092536	Sum of GTIs [s]
			ontime7	9952.0000092536	Sum of GTIs [s]
			ontime8	9952.0000092536	Sum of GTIs [s]
			l1events	404079	Number of level 1 events

2.1.4 Events

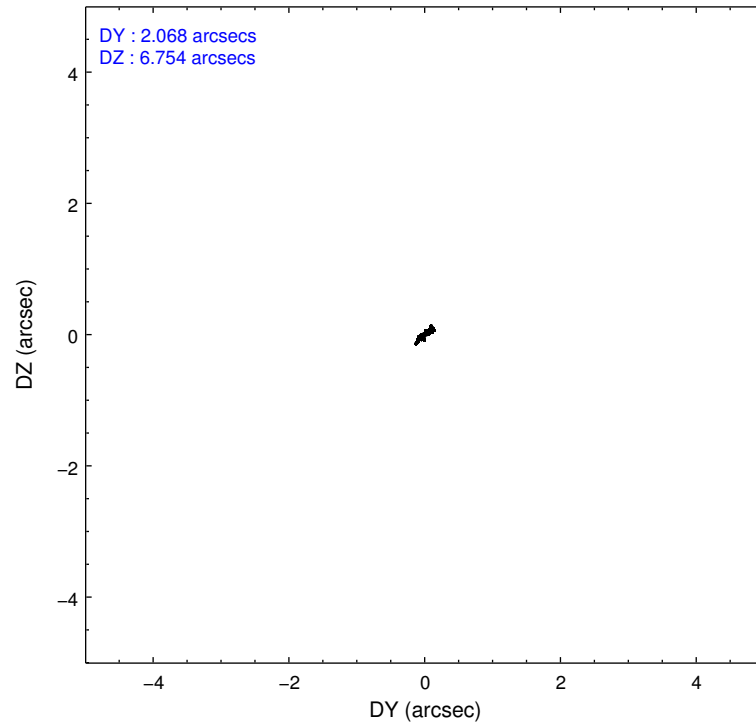
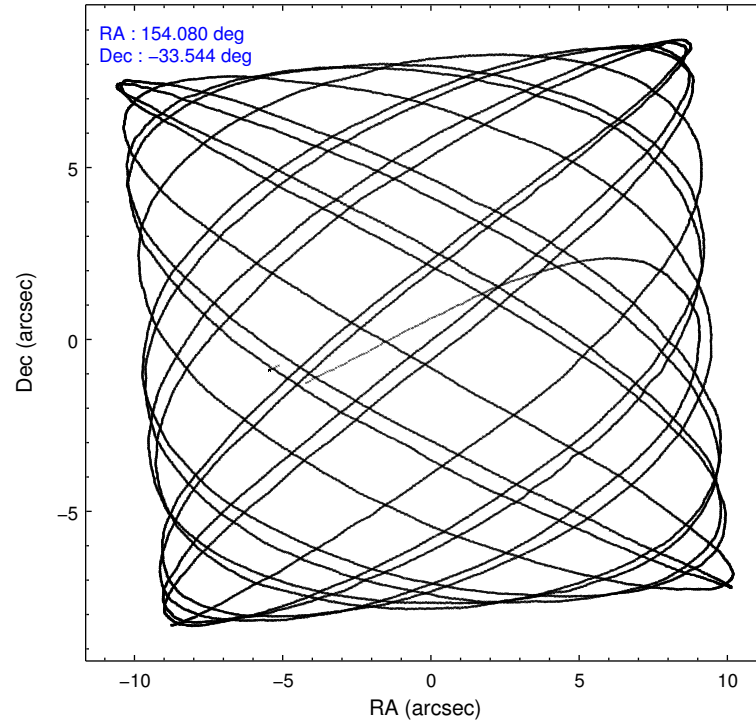
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	58932	57122	83946	57402	74258	72419	grade 0 events	3047	3063	6242	3248	3726	5253
rejected events	52144	50306	44271	50054	42110	57230		5%	5%	7%	5%	5%	7%
rejected %	88%	88%	52%	87%	56%	79%	grade 1 events	19	23	139	18	75	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	1419	1309	11514	1399	6449	3134
								2%	2%	13%	2%	8%	4%
							grade 3 events	620	631	1674	686	2949	1683
								1%	1%	1%	1%	3%	2%
							grade 4 events	571	690	1671	656	2932	1536
								0%	1%	1%	1%	3%	2%
							grade 5 events	1964	2173	6685	2379	6782	2923
								3%	3%	7%	4%	9%	4%
							grade 6 events	1134	1126	18594	1364	16117	3589
								1%	1%	22%	2%	21%	4%
							grade 7 events	50158	48107	37427	47652	35228	54251
								85%	84%	44%	83%	47%	74%

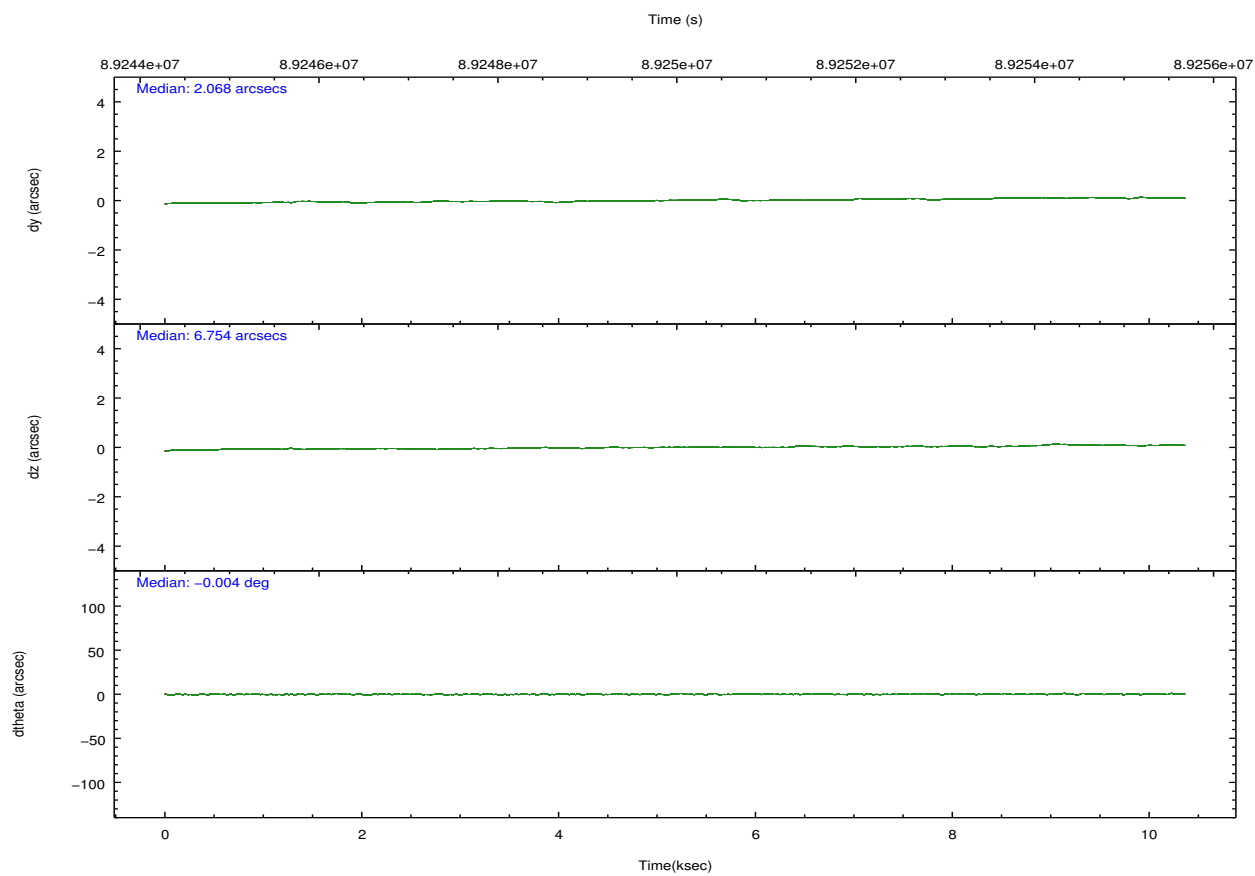
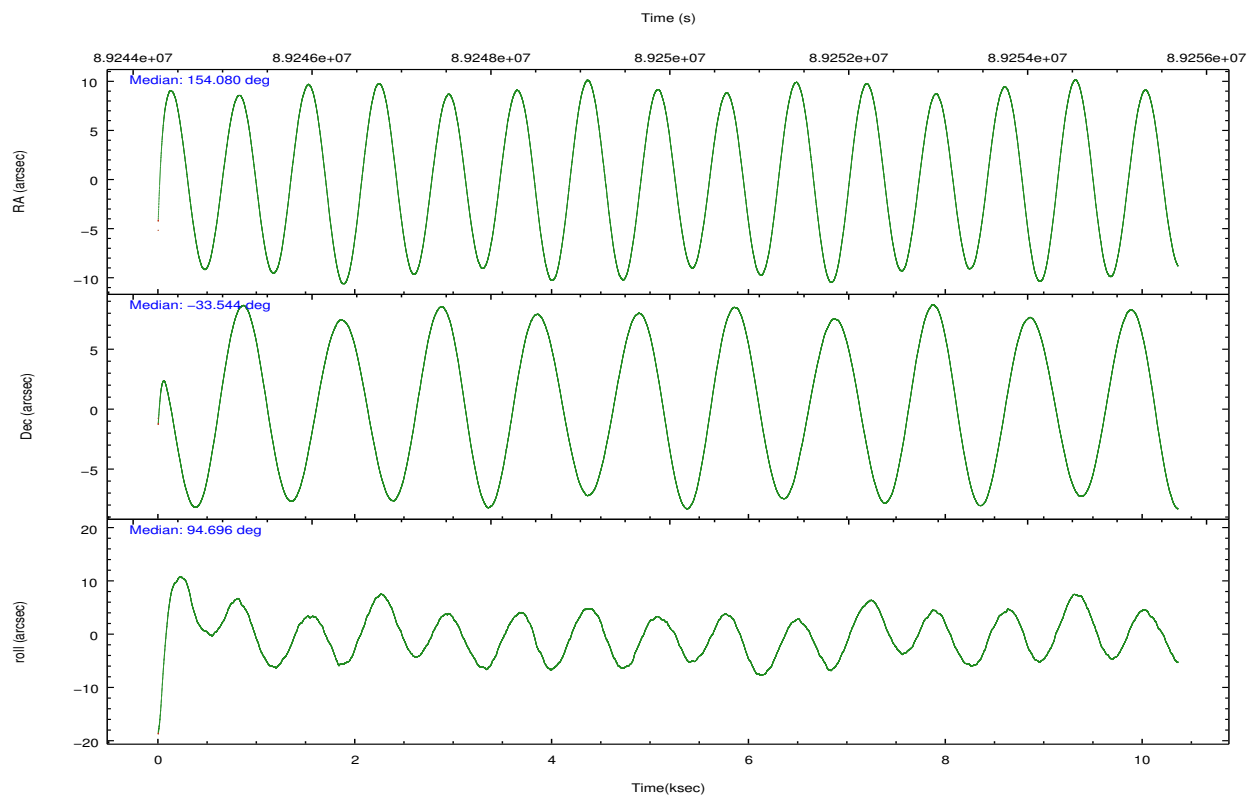
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	154.098998	154.0801416941032
[deg] Pointing Dec	-33.566145	-33.54378488018449
[deg] Pointing Roll	94.555545	94.70172744902493
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	89245108.184000	89244072.69344699
Observation start date	2000-10-29T22:17:24	2000-10-29T22:01:12
[s] Observation end time (MET)	89255108.184000	89256062.1189
Observation end date	2000-10-30T01:04:04	2000-10-30T01:21:02
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



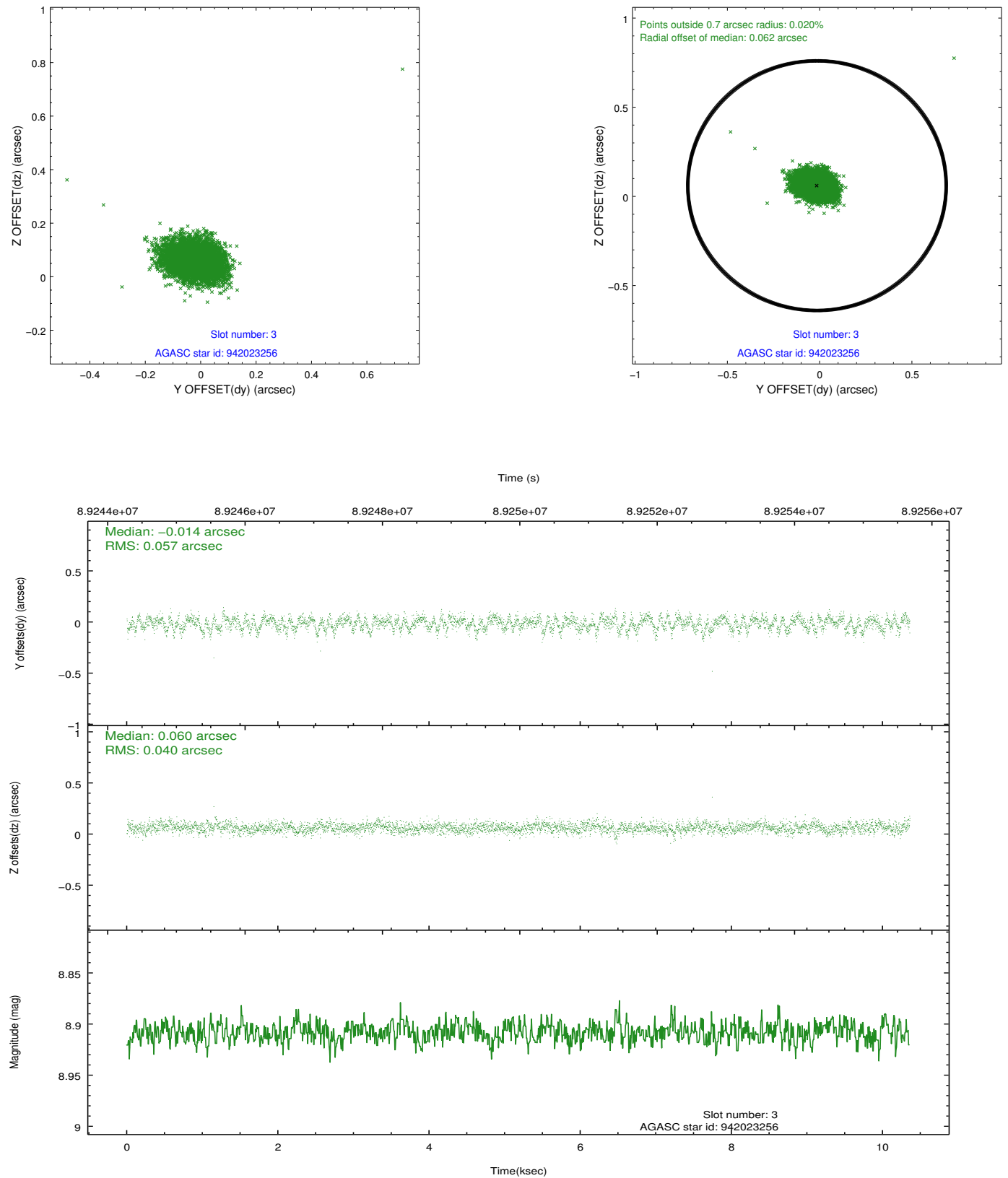


Slot Statistics

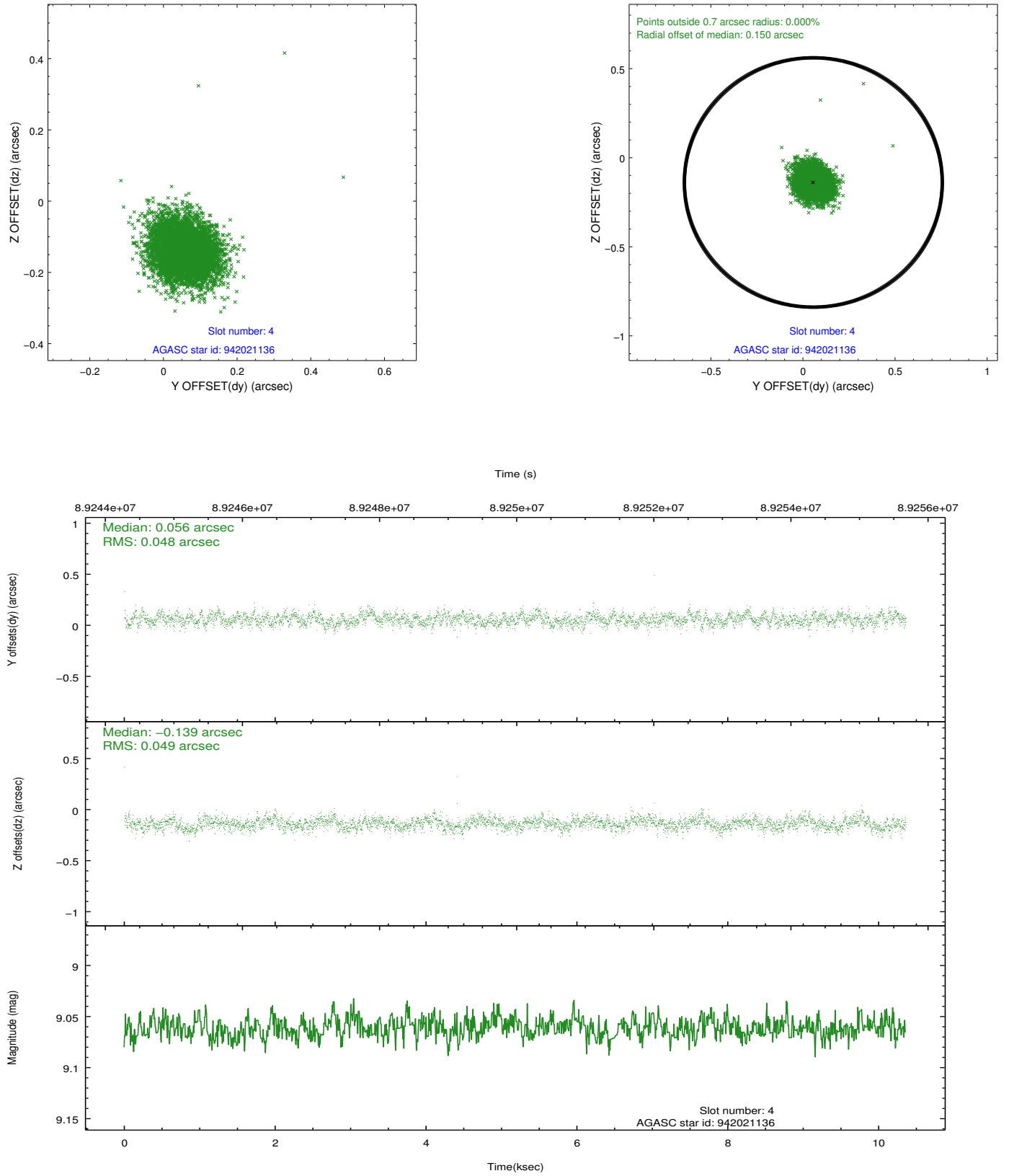
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2528	-0.027	0.005	0.007	0.011	0.000000	0.000000	-754.72	-1727.90
1	FID	ACIS-S-4	7.20	2528	-0.031	0.012	0.006	0.010	0.000000	0.000000	2158.33	180.06
2	FID	ACIS-S-5	7.23	2527	0.027	-0.008	0.006	0.011	0.000000	0.000000	-1806.85	174.29
3	GUIDE	942023256	8.91	5053	-0.014	0.060	0.072	0.118	154.727246	-32.973248	1971.75	-2059.85
4	GUIDE	942021136	9.06	5050	0.056	-0.139	0.072	0.117	153.766865	-33.398932	678.31	947.34
5	GUIDE	942024568	9.17	5051	-0.027	0.025	0.074	0.121	154.189528	-33.061142	1790.81	-415.84
6	GUIDE	942019744	9.18	5051	-0.005	0.026	0.093	0.152	154.719562	-33.245703	996.80	-1953.17
7	GUIDE	942017648	9.47	5051	-0.010	0.029	0.076	0.127	154.614926	-33.275707	915.68	-1630.48

2.4 Star Slots

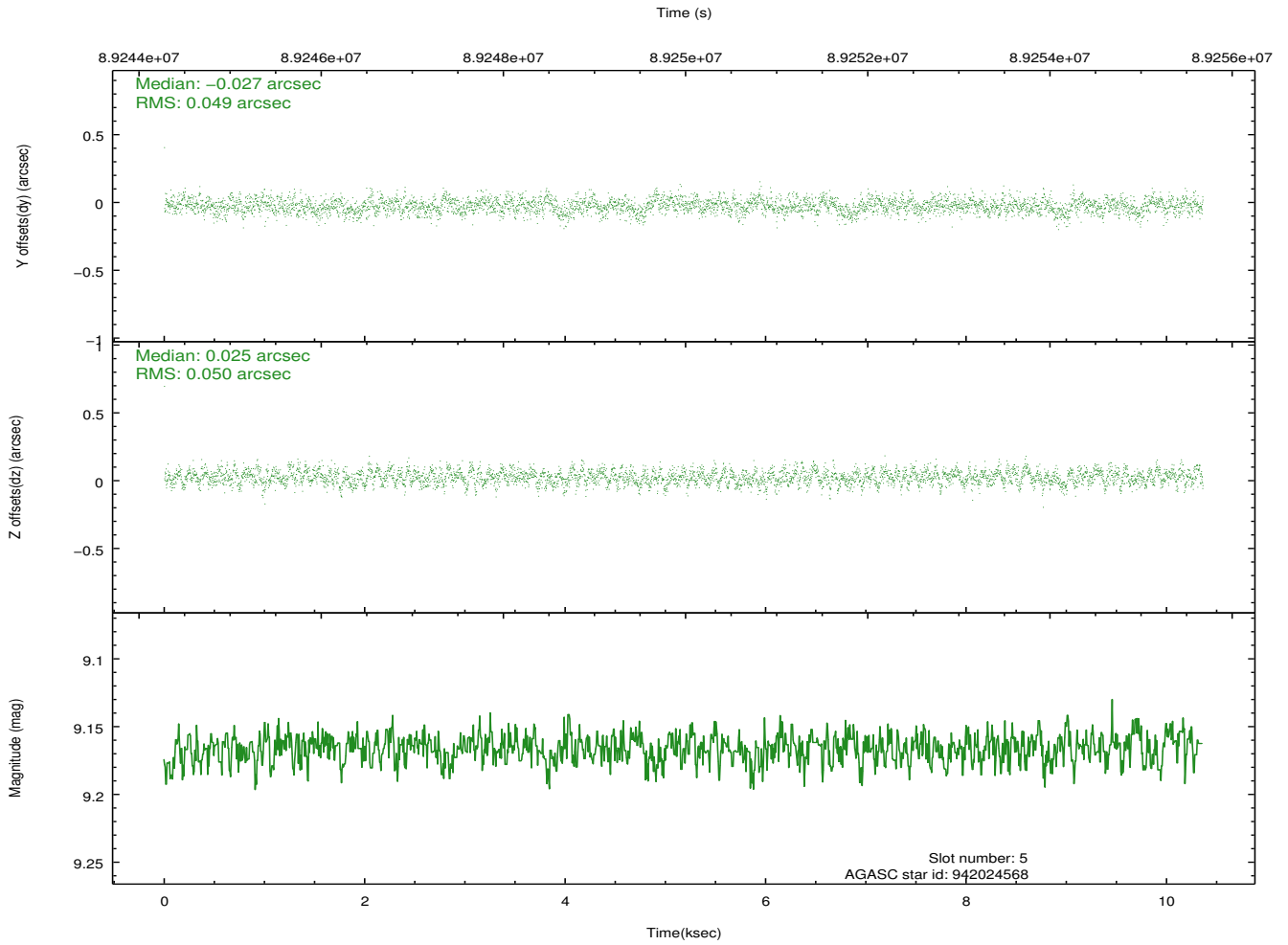
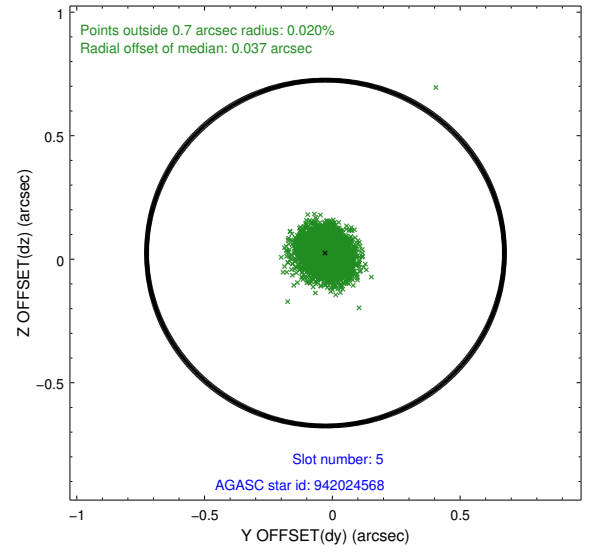
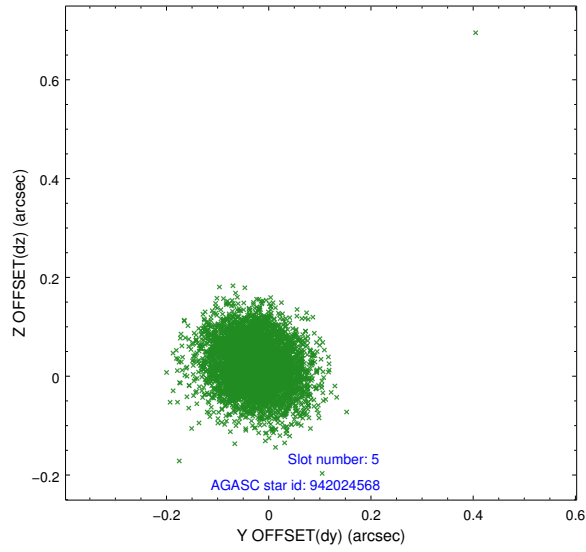
2.4.1 Slot 3



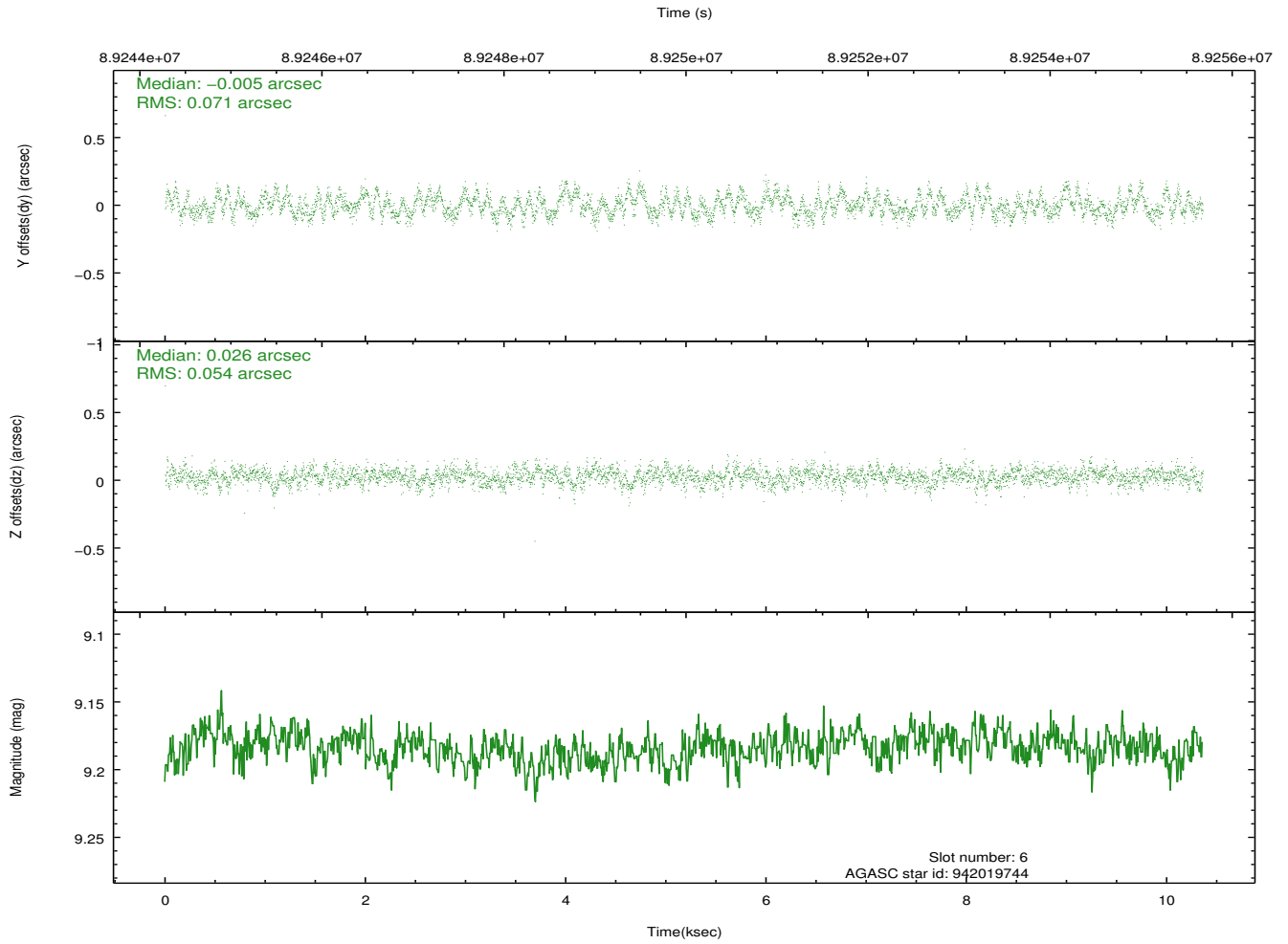
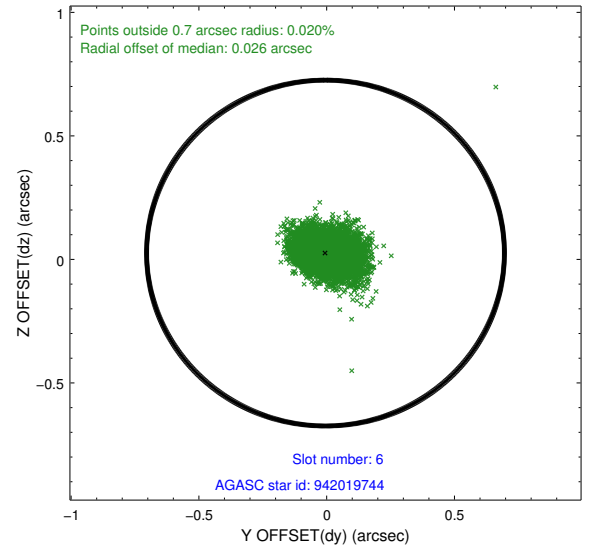
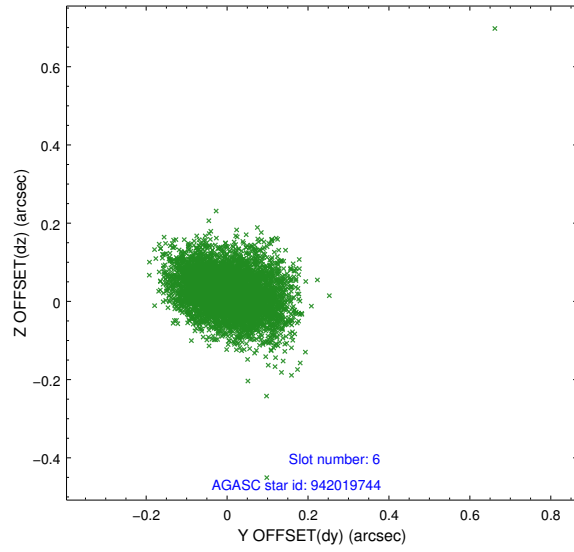
2.4.2 Slot 4



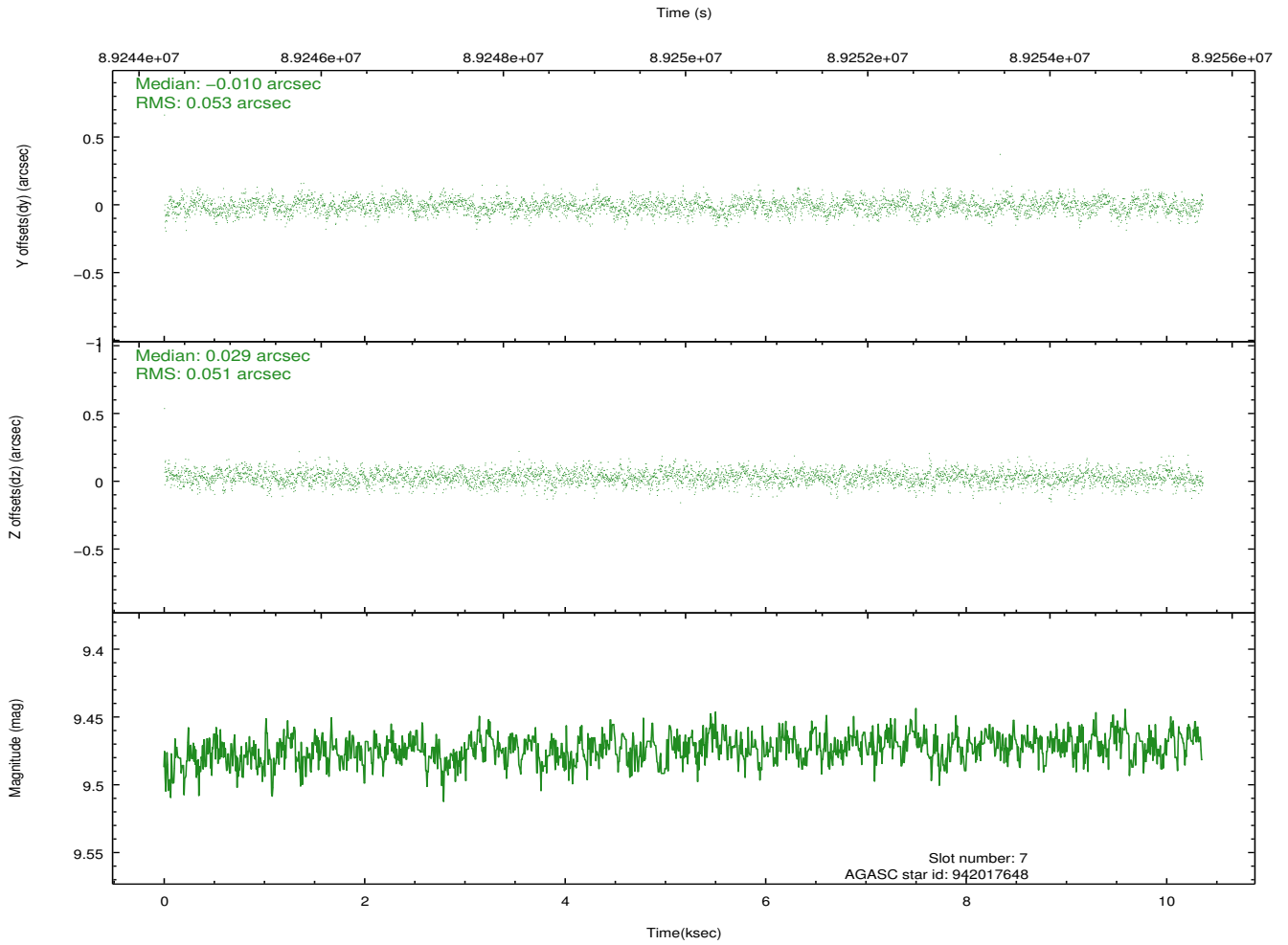
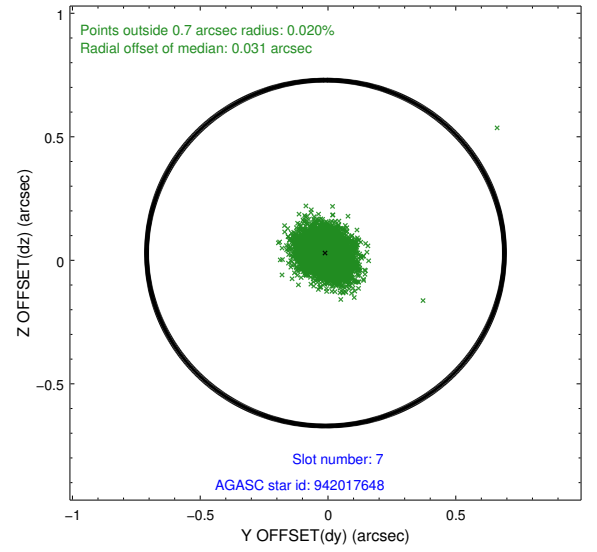
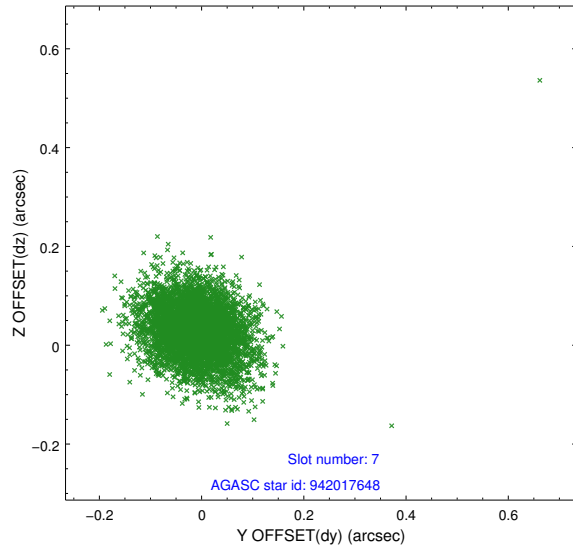
2.4.3 Slot 5



2.4.4 Slot 6

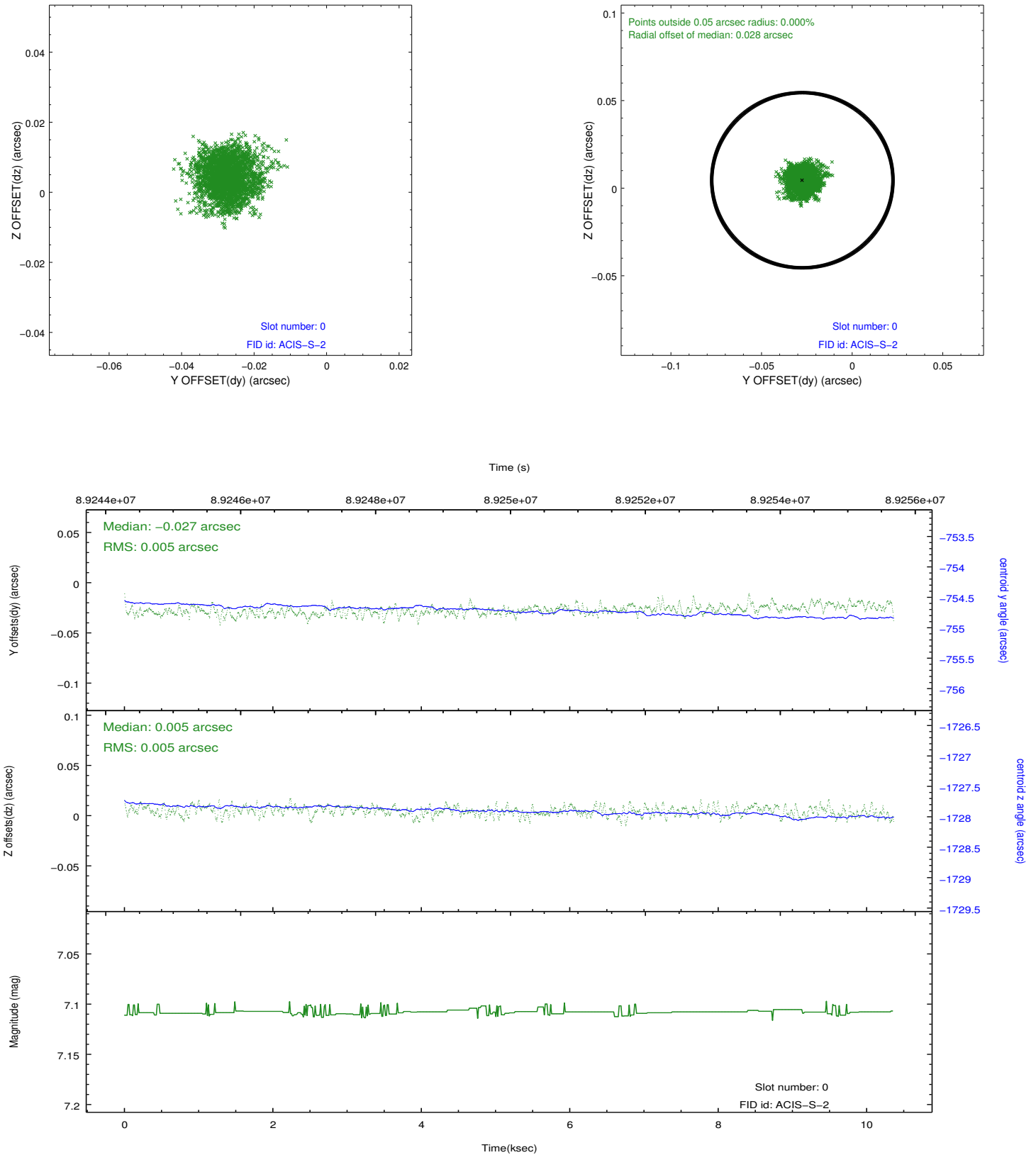


2.4.5 Slot 7

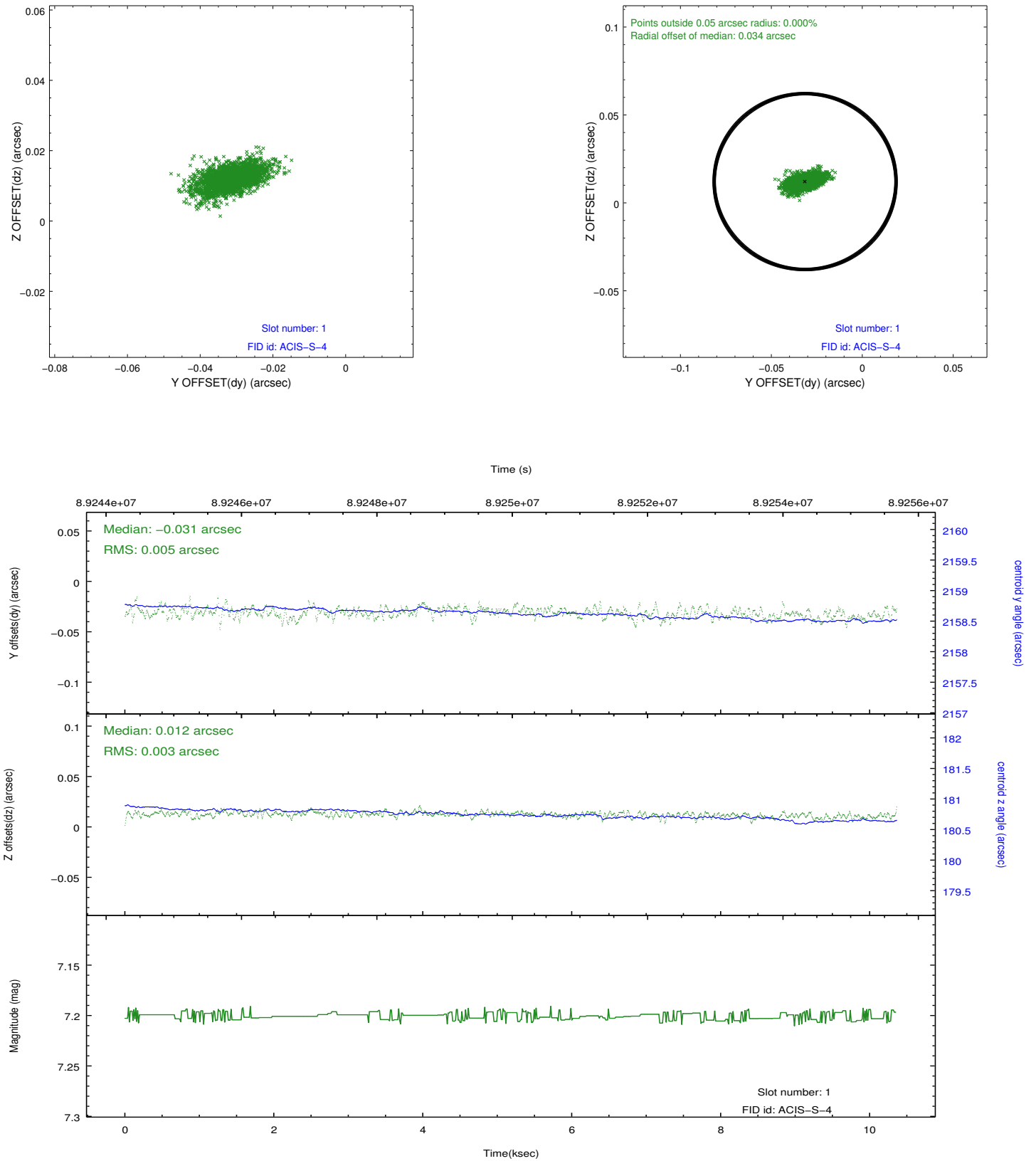


2.5 FID Slots

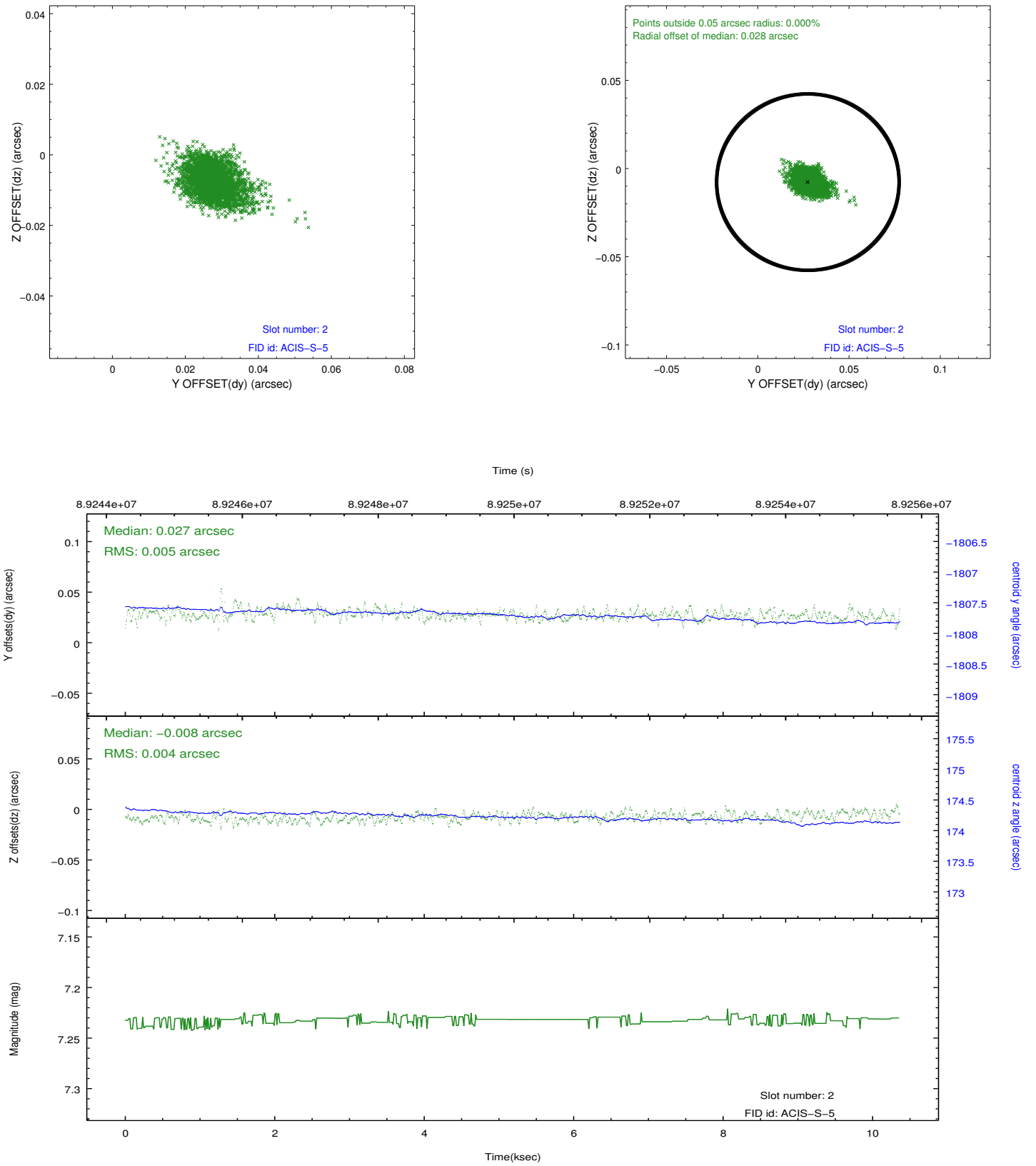
2.5.1 Slot 0



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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.955

A.2 Comments