

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 6604 - L2 Version 3
Chandra X-Ray Center

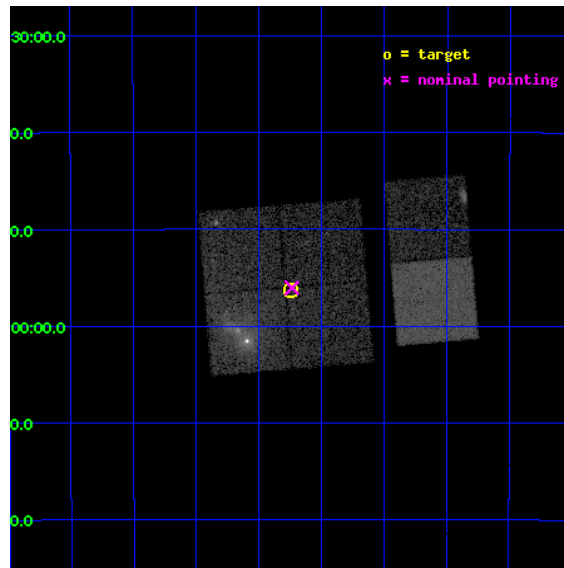
L2 Processing Date : Apr 23 2012

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1 Front

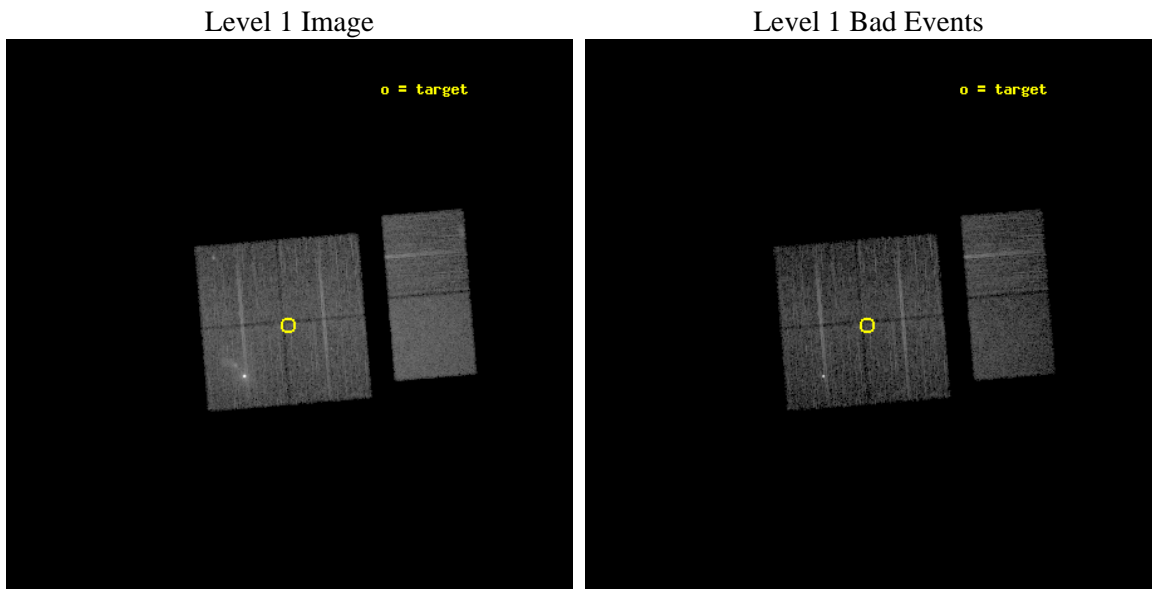
seq_num	400509	Sequence number
obs_id	6604	Observation id
title	Chandra observations of enigmatic X-ray and radio transients	Propo
observer	Dr. Rudy Wijnands	Principal investigator
object	GRS 1741.9-2853	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.31125	Observer's specified target RA [deg]
dec_targ	-28.938889	Observer's specified target Dec [deg]
ra_nom	266.30898607218	Nominal RA [deg]
dec_nom	-28.934276478573	Nominal Dec [deg]
roll_nom	85.300247878941	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5161.5999808311	Sum of GTIs [s]
livetime	5096.2406939315	Livetime [s]
ontime0	5161.5999808311	Sum of GTIs [s]
ontime1	5161.5999808311	Sum of GTIs [s]
ontime2	5161.5999808311	Sum of GTIs [s]
ontime3	5161.5999808311	Sum of GTIs [s]
ontime6	5161.5999808311	Sum of GTIs [s]
ontime7	5161.5999808311	Sum of GTIs [s]
l2events	85705	Number of level 2 events



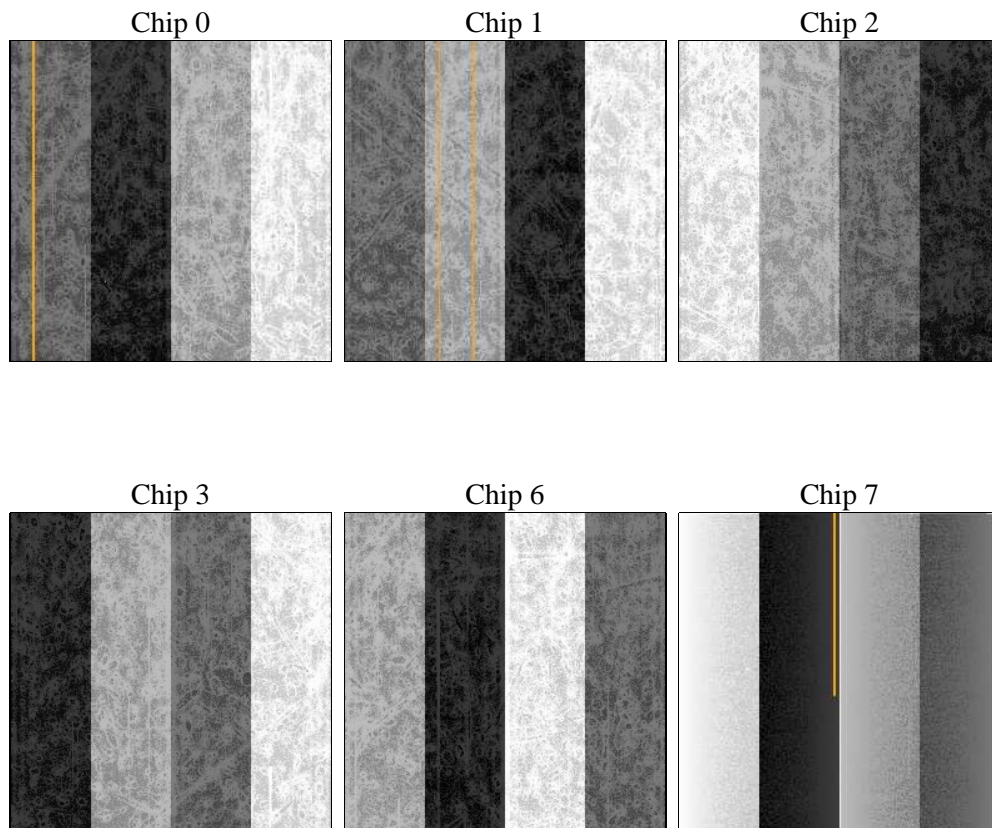
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5161.5999808311	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5161.5999808311	Sum of GTIs [s]
date	2012-04-23T09:59:23	Date and time of file creation	ontime1	5161.5999808311	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5161.5999808311	Sum of GTIs [s]
			ontime3	5161.5999808311	Sum of GTIs [s]
			ontime6	5161.5999808311	Sum of GTIs [s]
			ontime7	5161.5999808311	Sum of GTIs [s]
			l1events	348641	Number of level 1 events

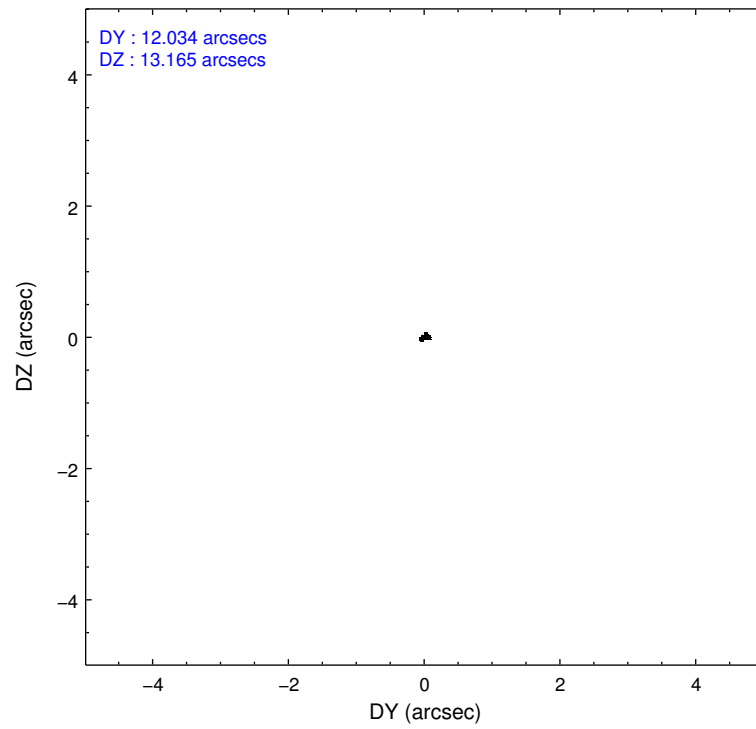
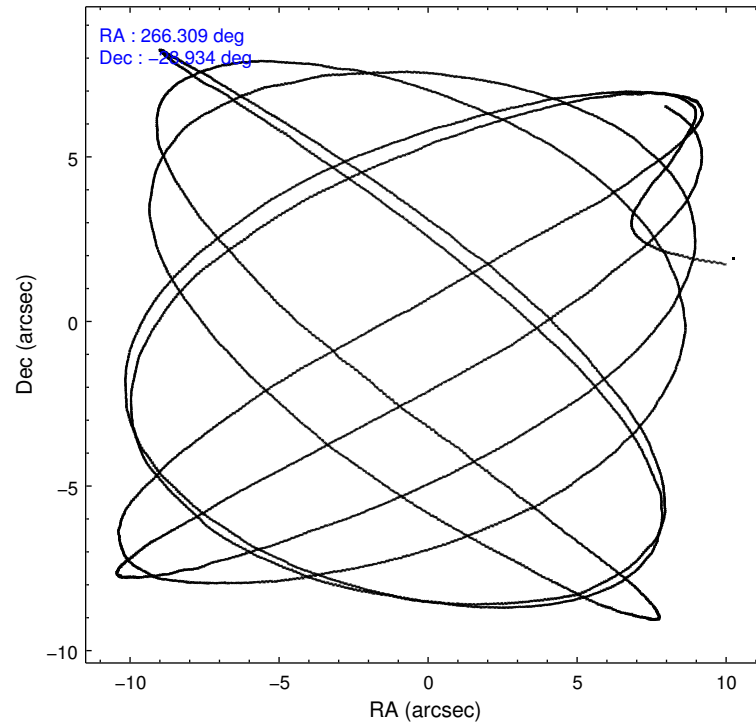
2.1.4 Events

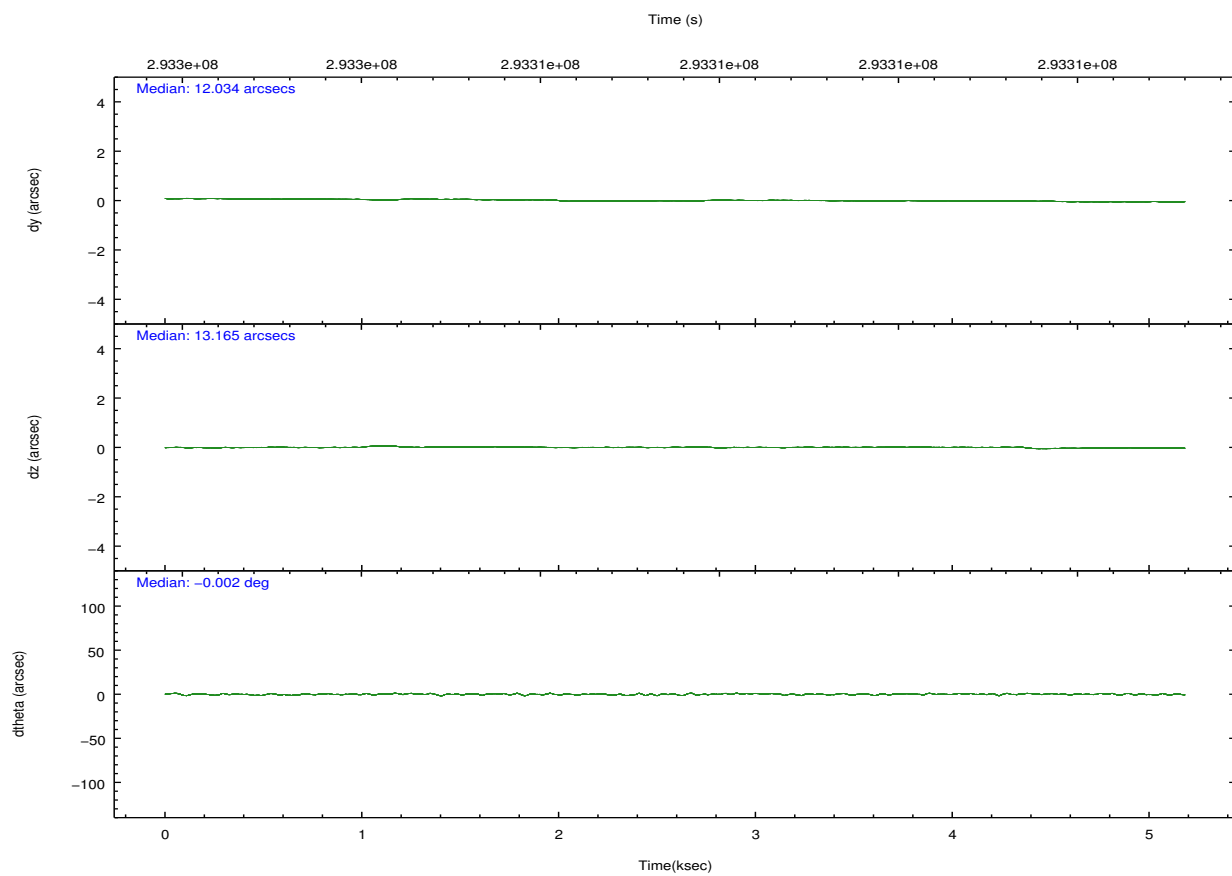
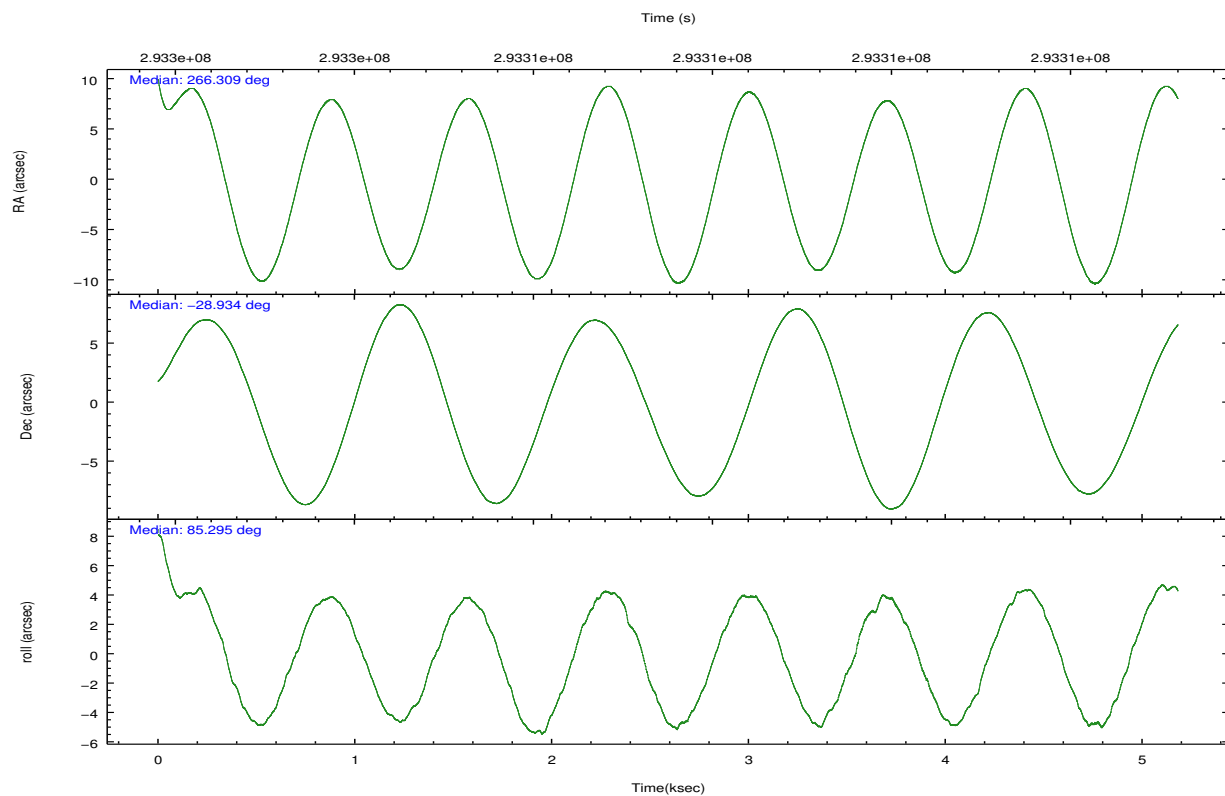
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	49220	74522	51266	50171	54194	69268	grade 0 events	5125	17627	3634	4035	3253	2484
rejected events	39319	42931	43915	41996	47005	40245		10%	23%	7%	8%	6%	3%
rejected %	79%	57%	85%	83%	86%	58%	grade 1 events	46	940	43	42	30	78
								0%	1%	0%	0%	0%	0%
							grade 2 events	1938	5805	1415	1517	1484	5846
								3%	7%	2%	3%	2%	8%
							grade 3 events	768	2064	616	676	601	2497
								1%	2%	1%	1%	1%	3%
							grade 4 events	726	1994	611	681	606	2455
								1%	2%	1%	1%	1%	3%
							grade 5 events	1951	3107	1934	2291	2411	6357
								3%	4%	3%	4%	4%	9%
							grade 6 events	1354	4126	1077	1271	1248	15756
								2%	5%	2%	2%	2%	22%
							grade 7 events	37312	38859	41936	39658	44561	33795
								75%	52%	81%	79%	82%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	266.322455	266.3089860721821	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.959131	-28.93427647857273	CCD I3 on	Y	Y
[deg] Pointing Roll	85.098070	85.30024787894132	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	293304342.184000	293303275.54731	CCD S5 on	N	N
Observation start date	2007-04-18T17:24:37	2007-04-18T17:07:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	293309342.184000	293310769.32267	On-chip summing requested	N	N
Observation end date	2007-04-18T18:47:57	2007-04-18T19:12:49	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



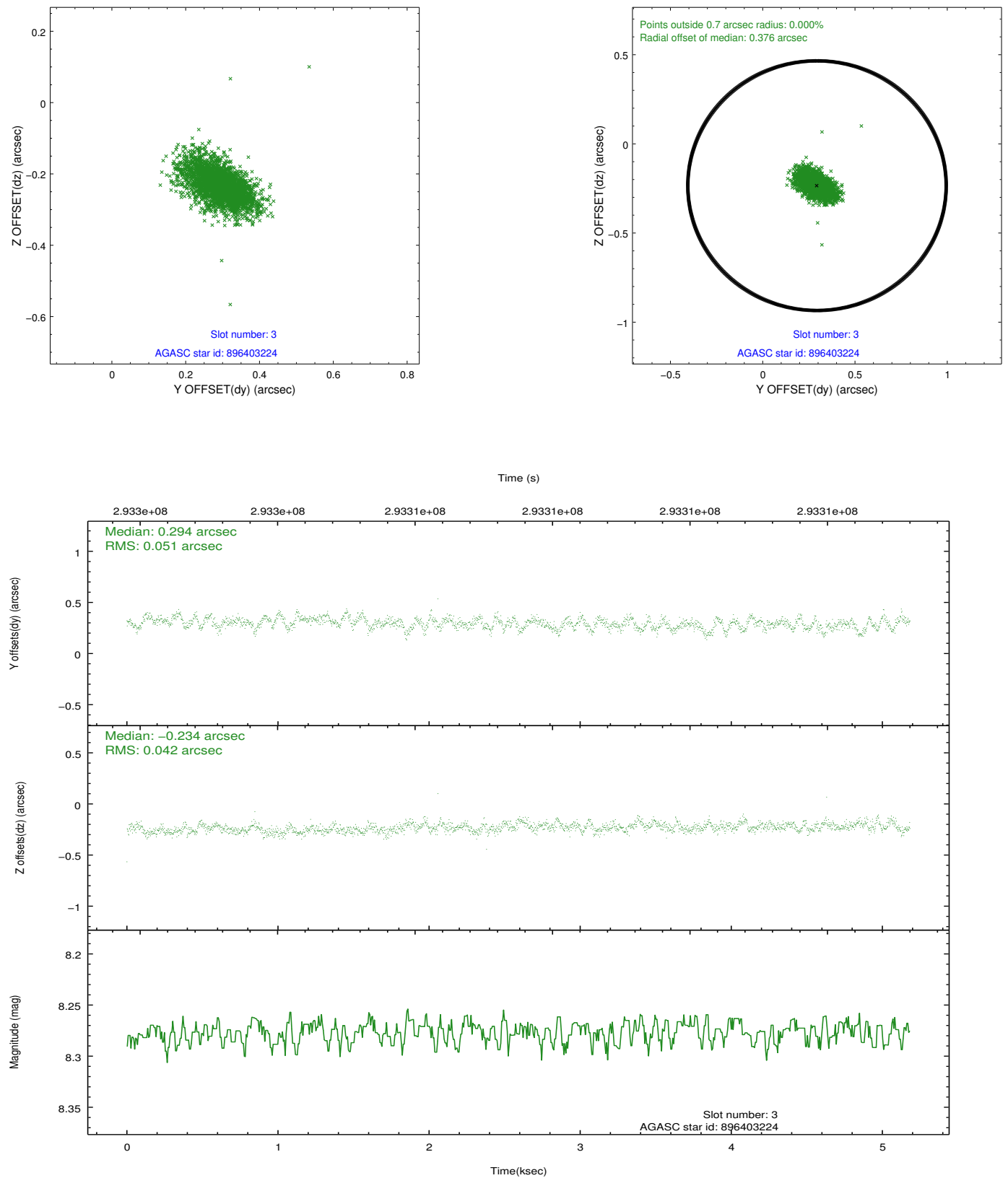


Slot Statistics

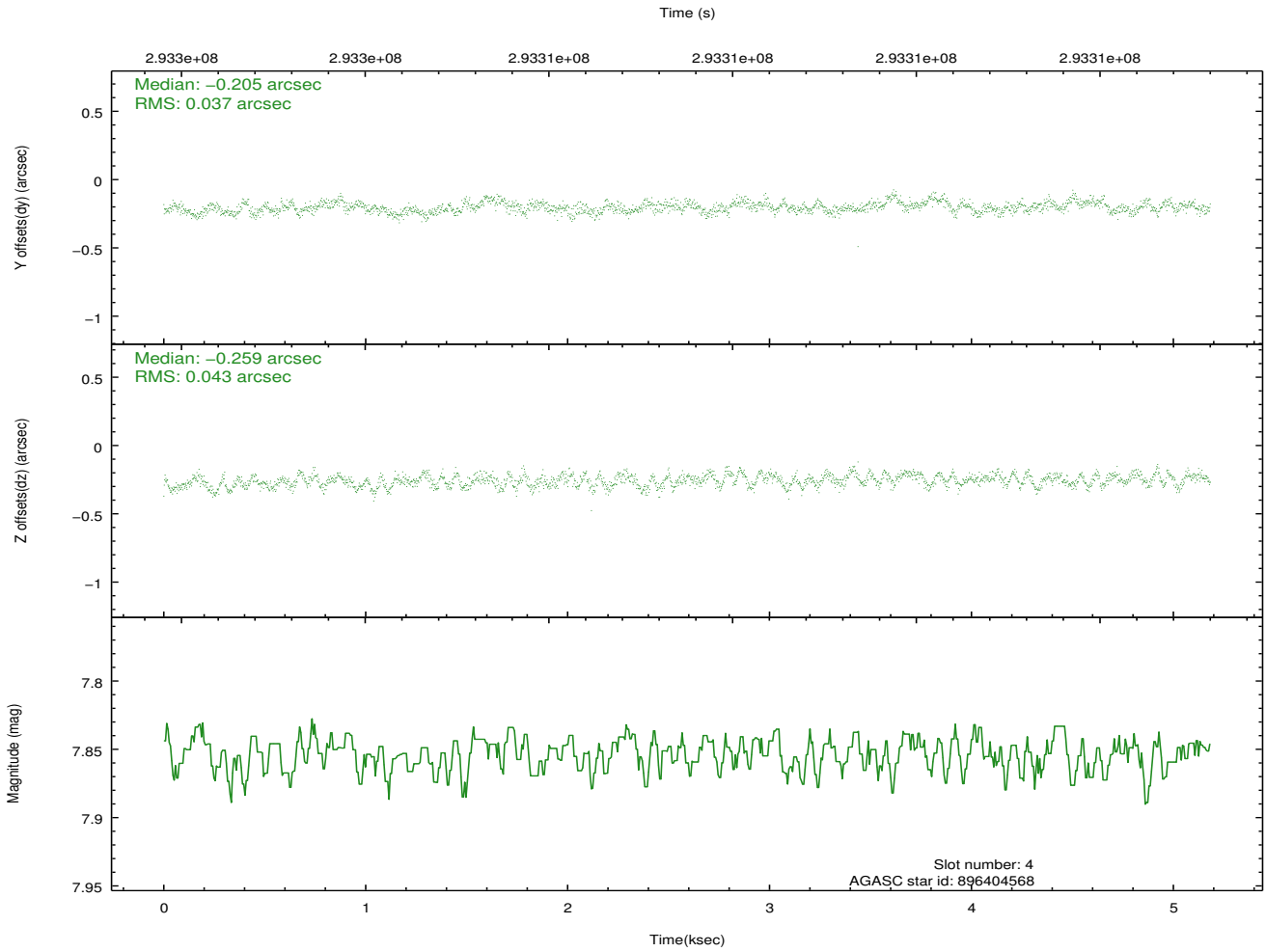
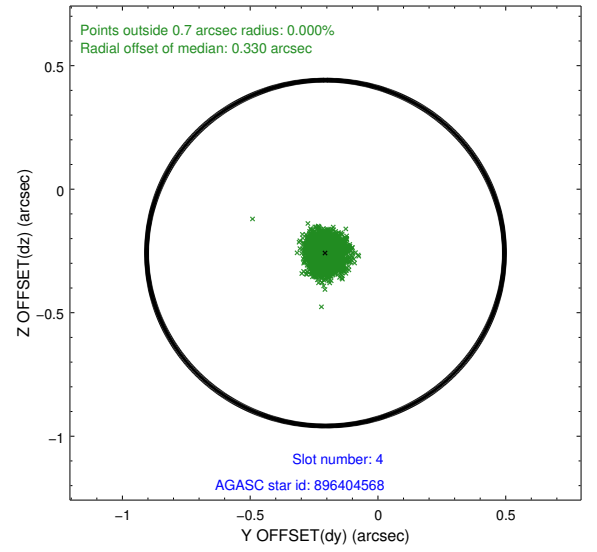
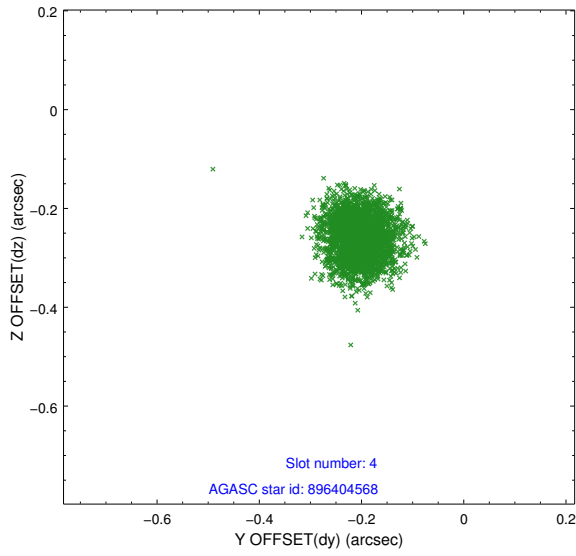
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1264	-0.016	-0.004	0.011	0.021	0.000000	0.000000	927.47	-836.72
1	FID	ACIS-I-4	7.18	1264	0.197	0.033	0.010	0.016	0.000000	0.000000	2148.40	1062.52
2	FID	ACIS-I-5	7.22	1264	-0.279	0.040	0.011	0.018	0.000000	0.000000	-1819.27	1061.74
3	GUIDE	896403224	8.28	2529	0.294	-0.234	0.067	0.119	265.612825	-29.438915	-1917.84	2068.43
4	GUIDE	896404568	7.85	2529	-0.205	-0.259	0.062	0.095	265.687293	-28.431080	1715.73	2166.55
5	GUIDE	896538696	6.88	2529	-0.358	-0.122	0.051	0.082	266.298470	-28.325572	2266.24	271.92
6	GUIDE	896541360	7.71	2527	0.238	0.230	0.056	0.094	266.684478	-29.453744	-1677.65	-1282.52
7	GUIDE	896541576	8.19	2528	0.033	0.383	0.065	0.098	267.051055	-28.762912	892.84	-2230.88

2.4 Star Slots

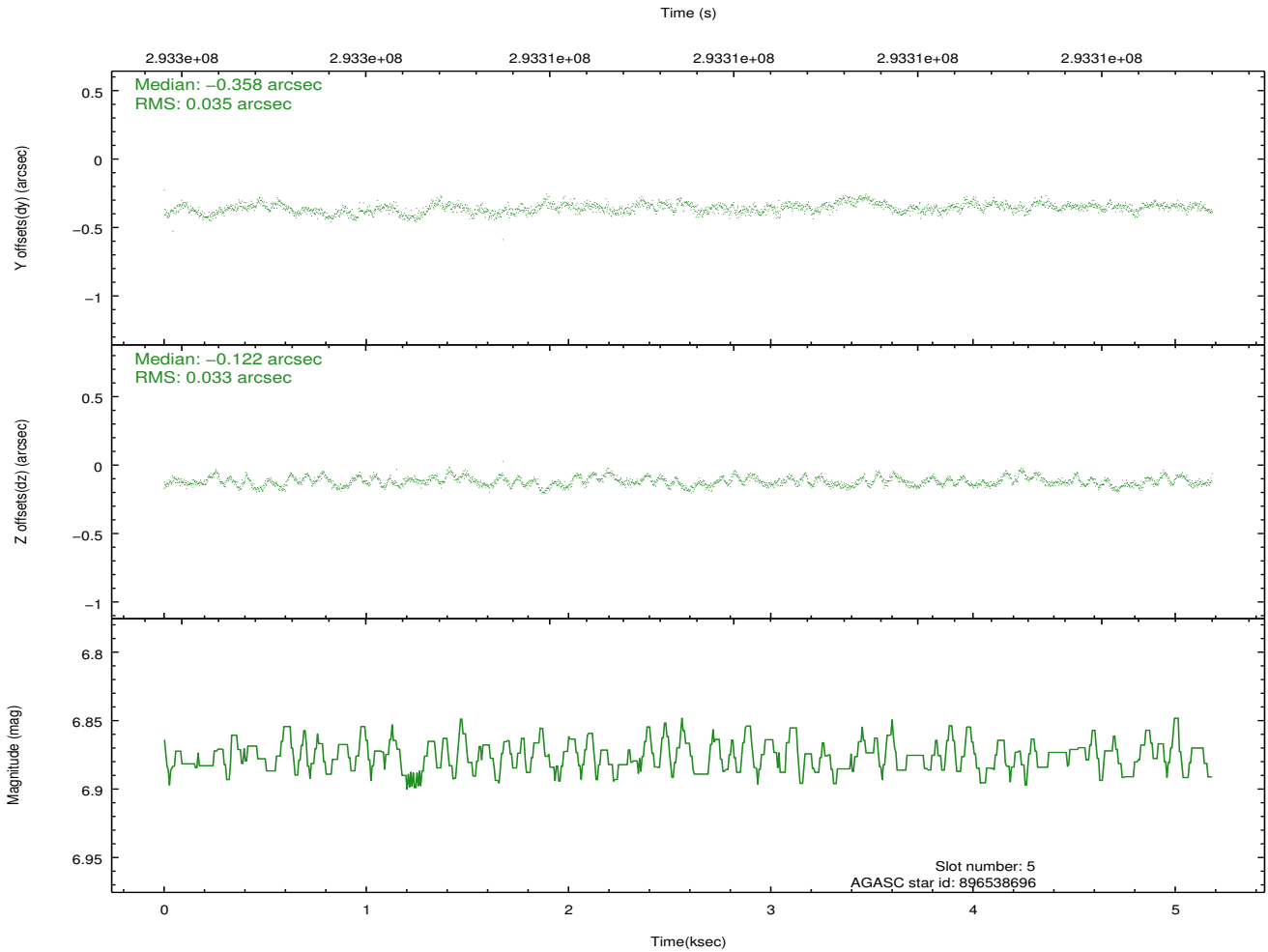
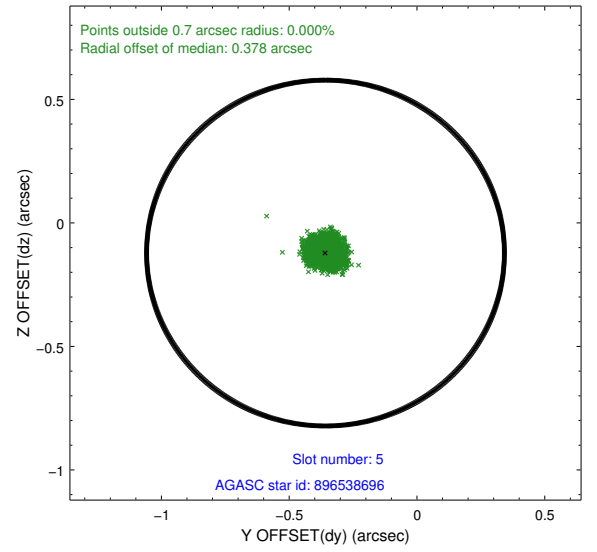
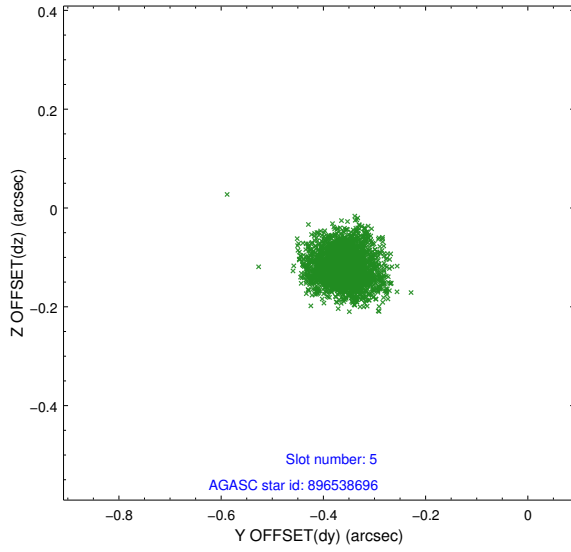
2.4.1 Slot 3



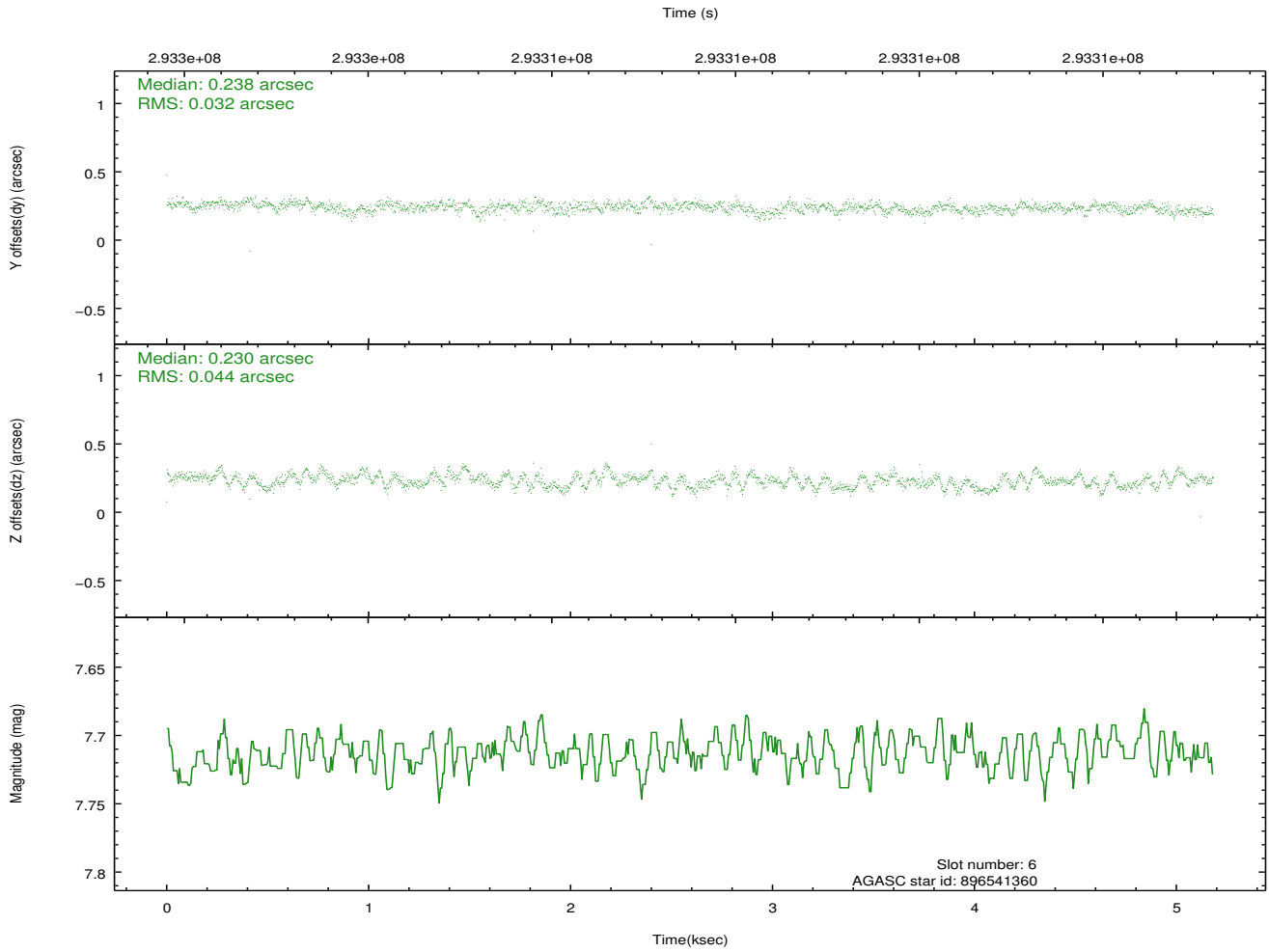
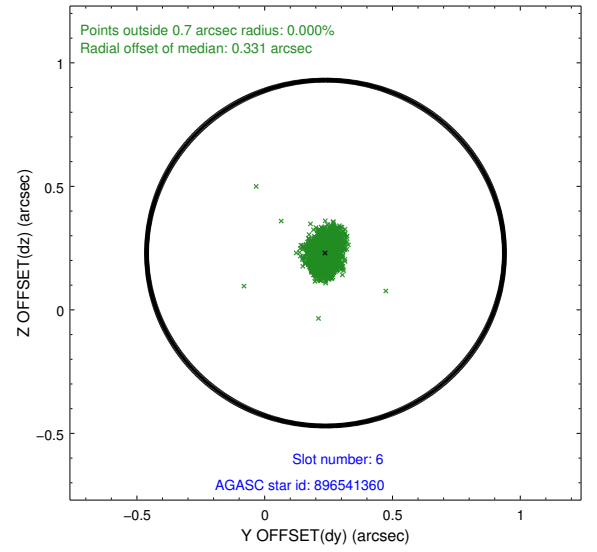
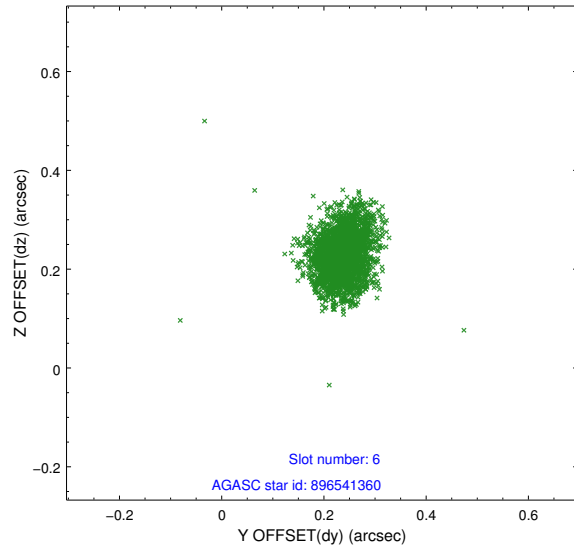
2.4.2 Slot 4



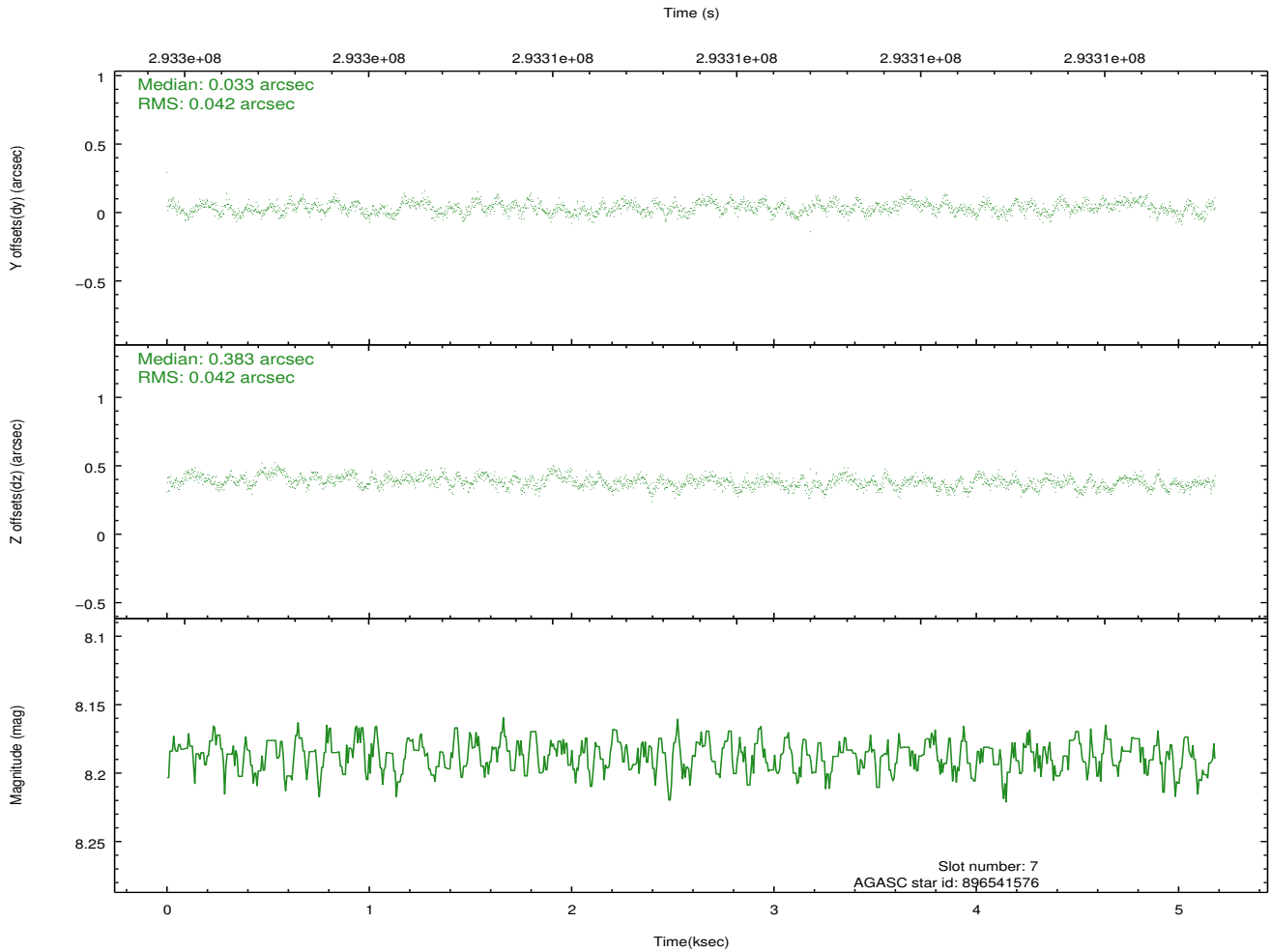
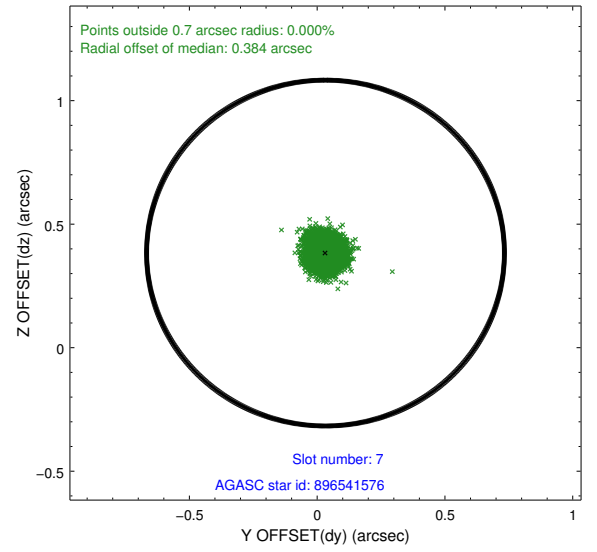
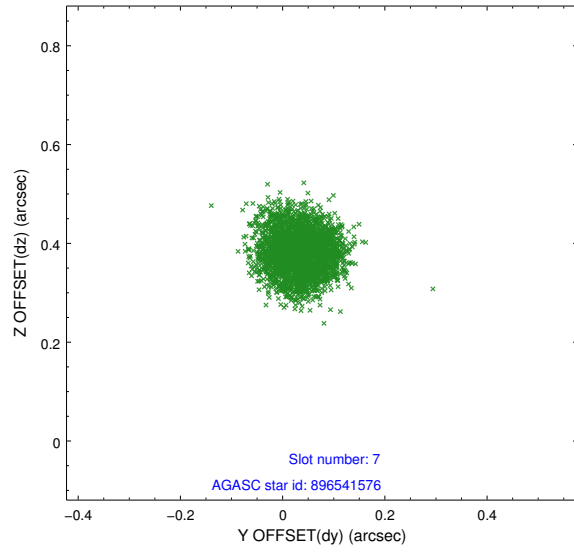
2.4.3 Slot 5



2.4.4 Slot 6

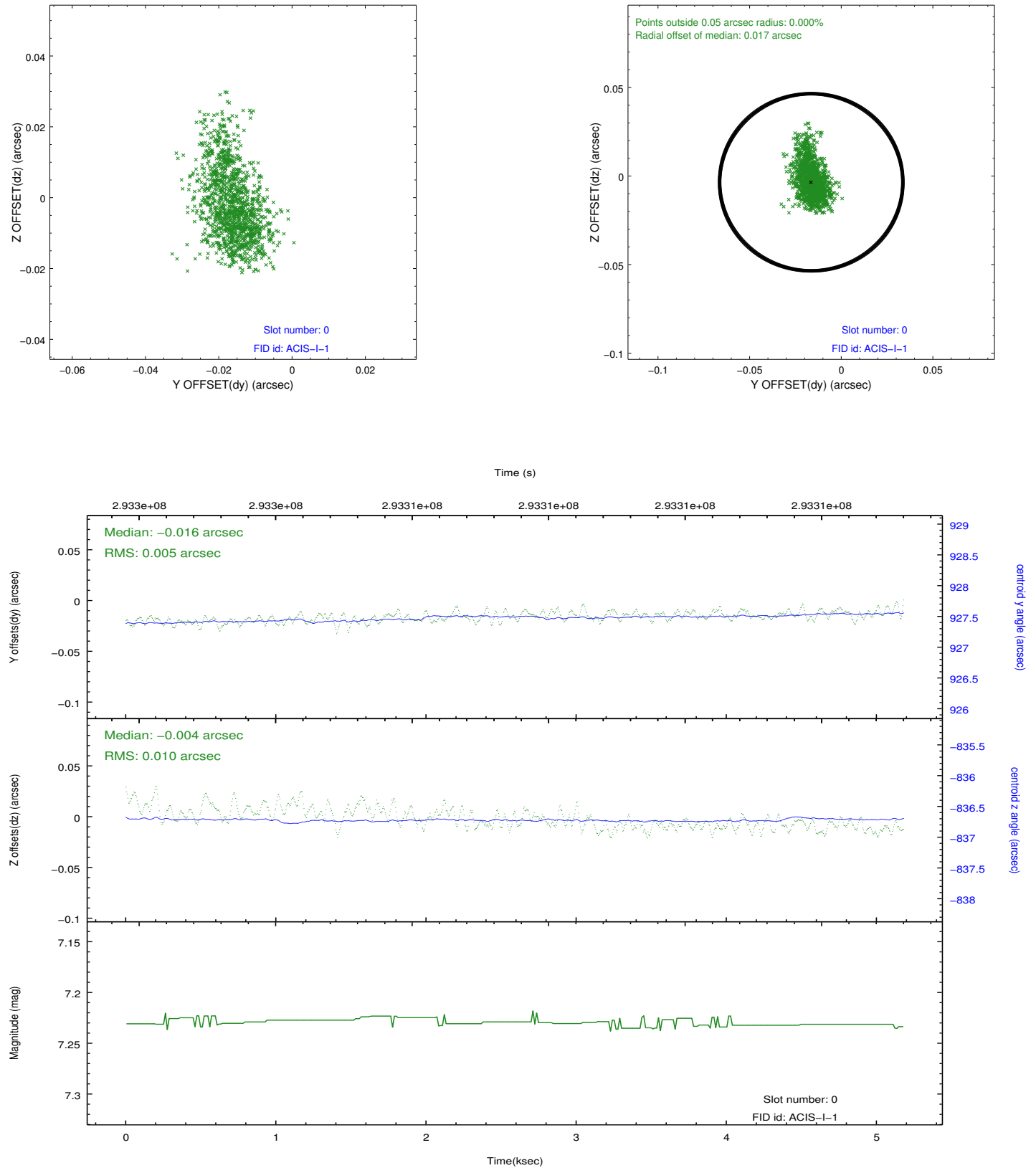


2.4.5 Slot 7

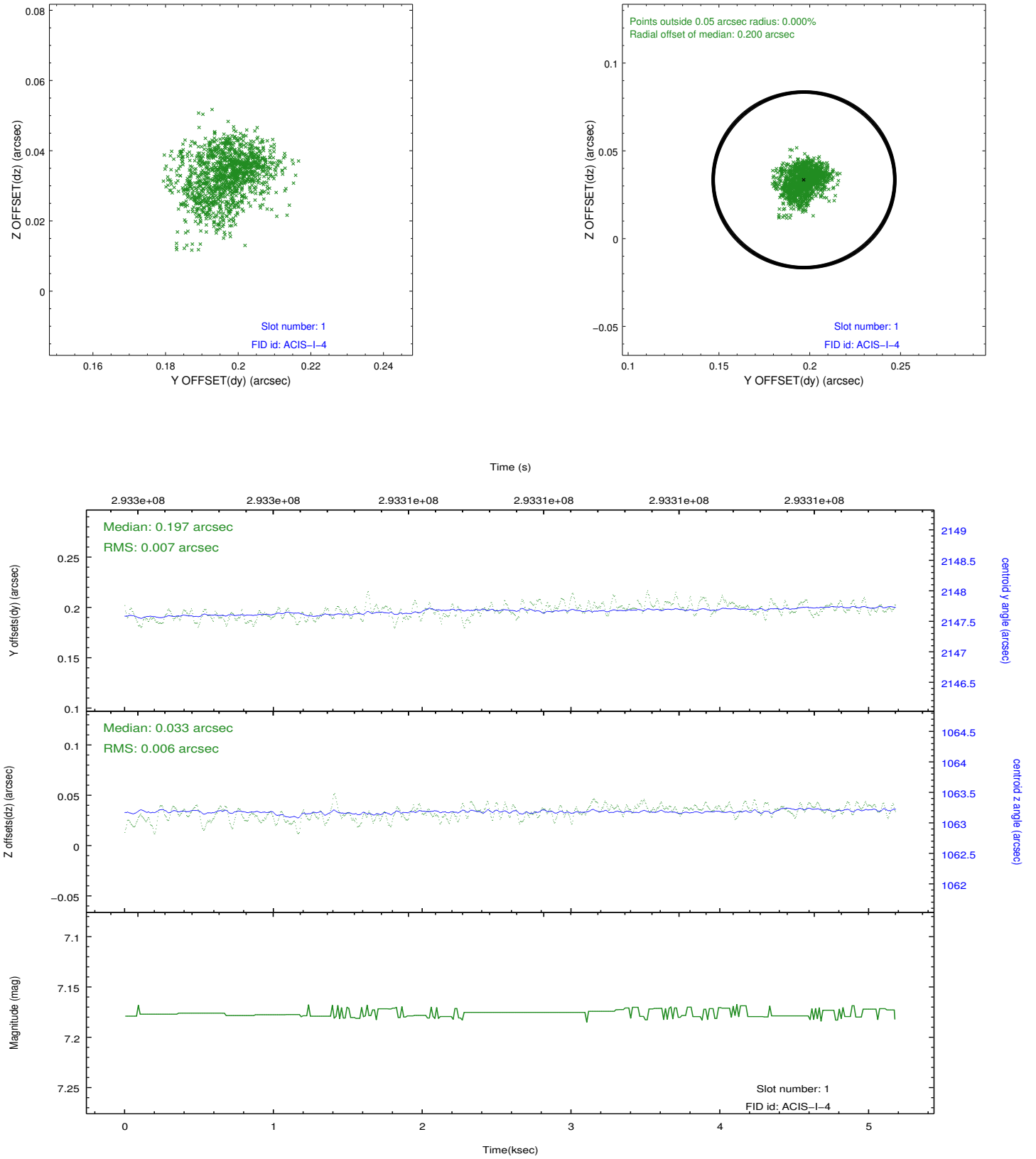


2.5 FID Slots

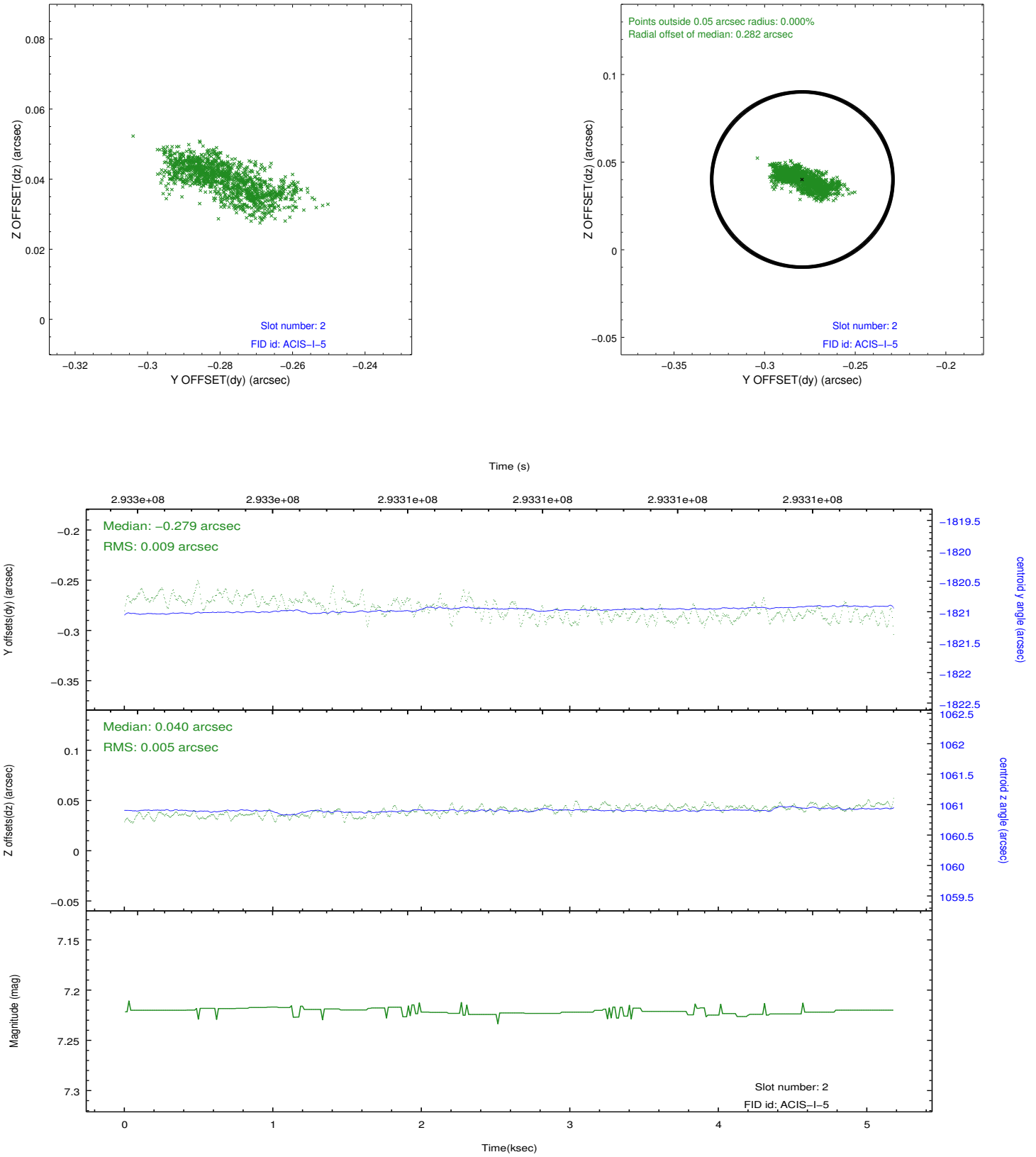
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.16159998

A.2 Comments

Joint proposal with NRAO.