

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7908 - L2 Version 3
Chandra X-Ray Center

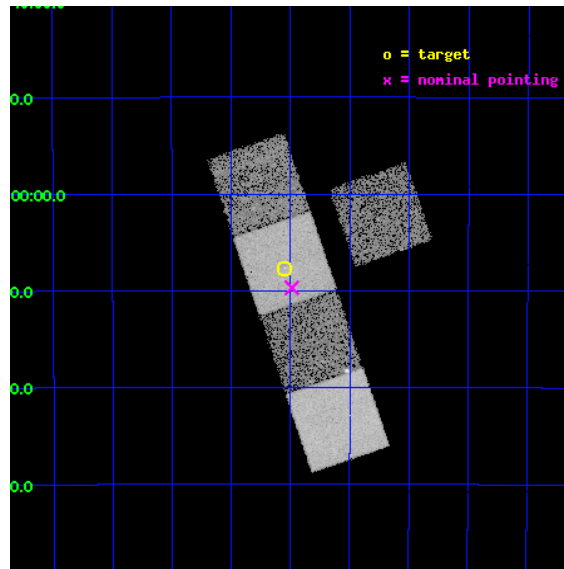
L2 Processing Date : Apr 21 2012

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1 Front

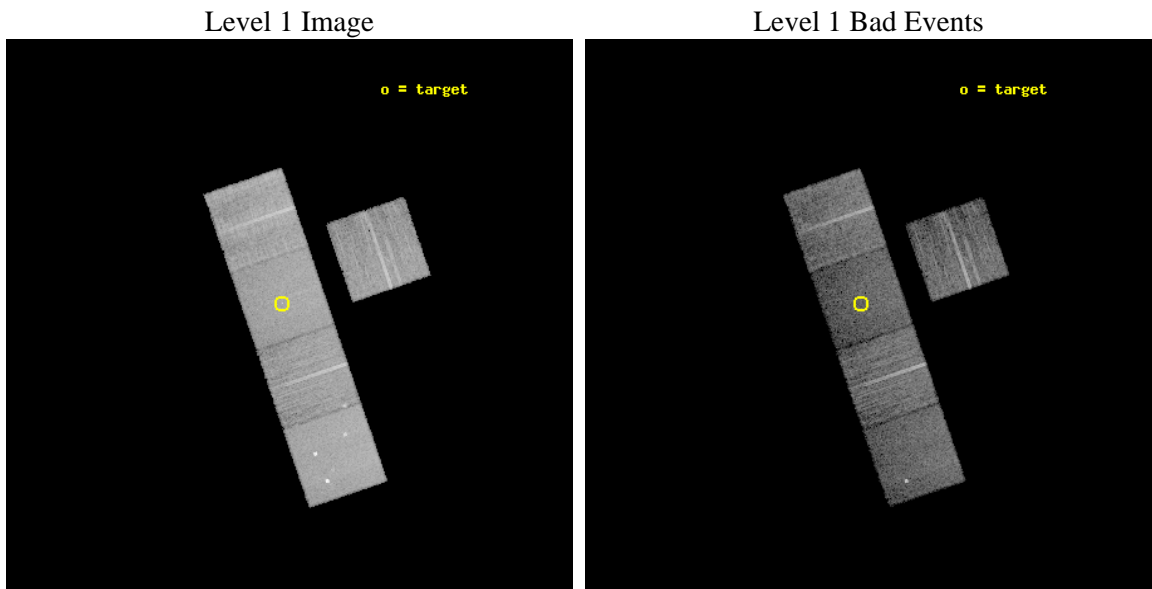
seq_num	800626	Sequence number
obs_id	7908	Observation id
title	IGM in galaxy groups with dominant elliptical galaxy; optically selected fossils	Proposal title
observer	Dr Habib Khosroshahi	Principal investigator
object	GroupID2868	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	48.637917	Observer's specified target RA [deg]
dec_targ	-34.128333	Observer's specified target Dec [deg]
ra_nom	48.622001529048	Nominal RA [deg]
dec_nom	-34.161646338961	Nominal Dec [deg]
roll_nom	251.14976623691	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10034.700077176	Sum of GTIs [s]
livetime	9903.5893332291	Livetime [s]
ontime3	10034.683944643	Sum of GTIs [s]
ontime5	10034.700077176	Sum of GTIs [s]
ontime6	10031.559096932	Sum of GTIs [s]
ontime7	10034.700077176	Sum of GTIs [s]
ontime8	10031.501944304	Sum of GTIs [s]
l2events	109909	Number of level 2 events



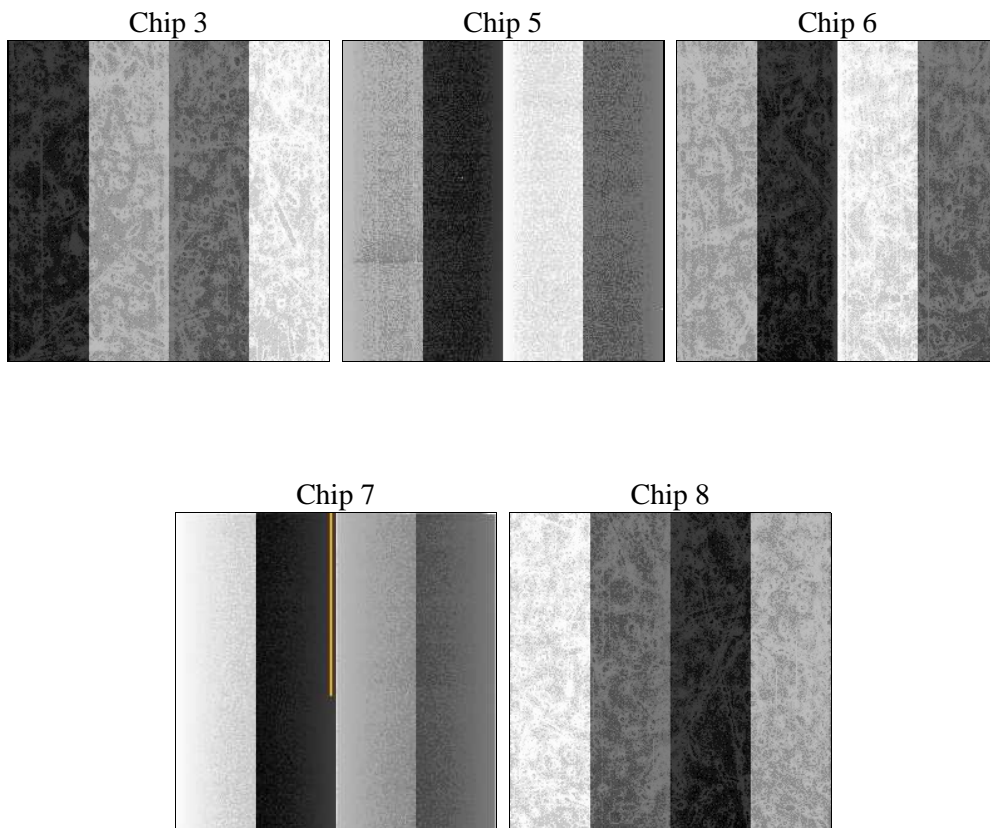
2 OBI

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	8.4.4	Processing system revision	ontime	10034.700077176	Sum of GTIs [s]
caldbver	4.4.9	 	ontime3	10034.683944643	Sum of GTIs [s]
date	2012-04-21T13:55:26	Date and time of file creation	ontime5	10034.700077176	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	10031.559096932	Sum of GTIs [s]
			ontime7	10034.700077176	Sum of GTIs [s]
			ontime8	10031.501944304	Sum of GTIs [s]
			l1events	445798	Number of level 1 events

2.1.4 Events

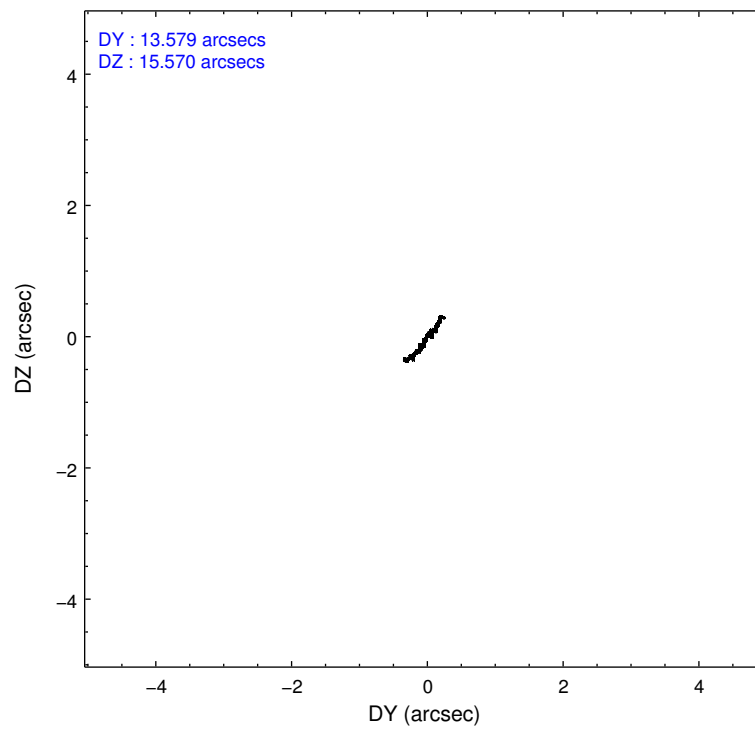
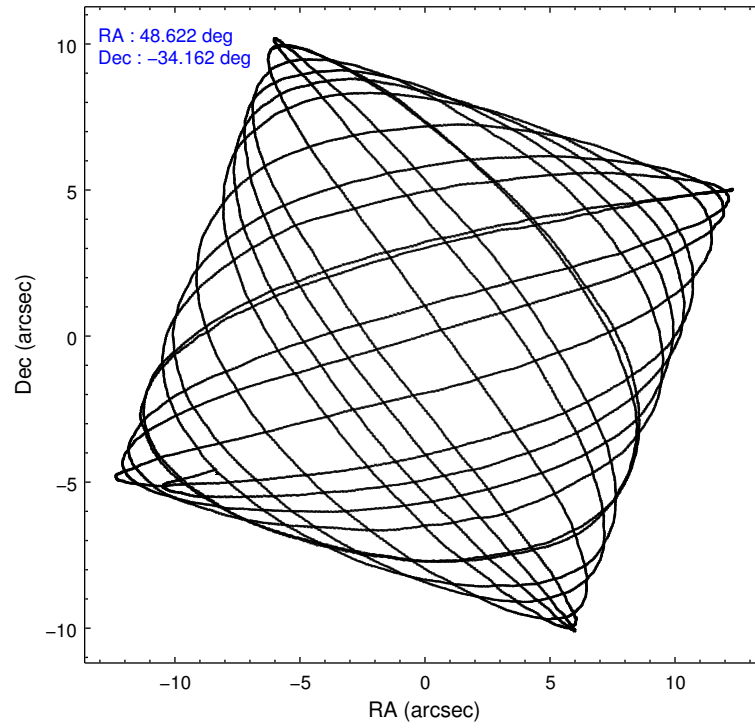
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	73894	108950	78540	86399	98015
rejected events	66928	53488	70089	46890	74081
rejected %	90%	49%	89%	54%	75%

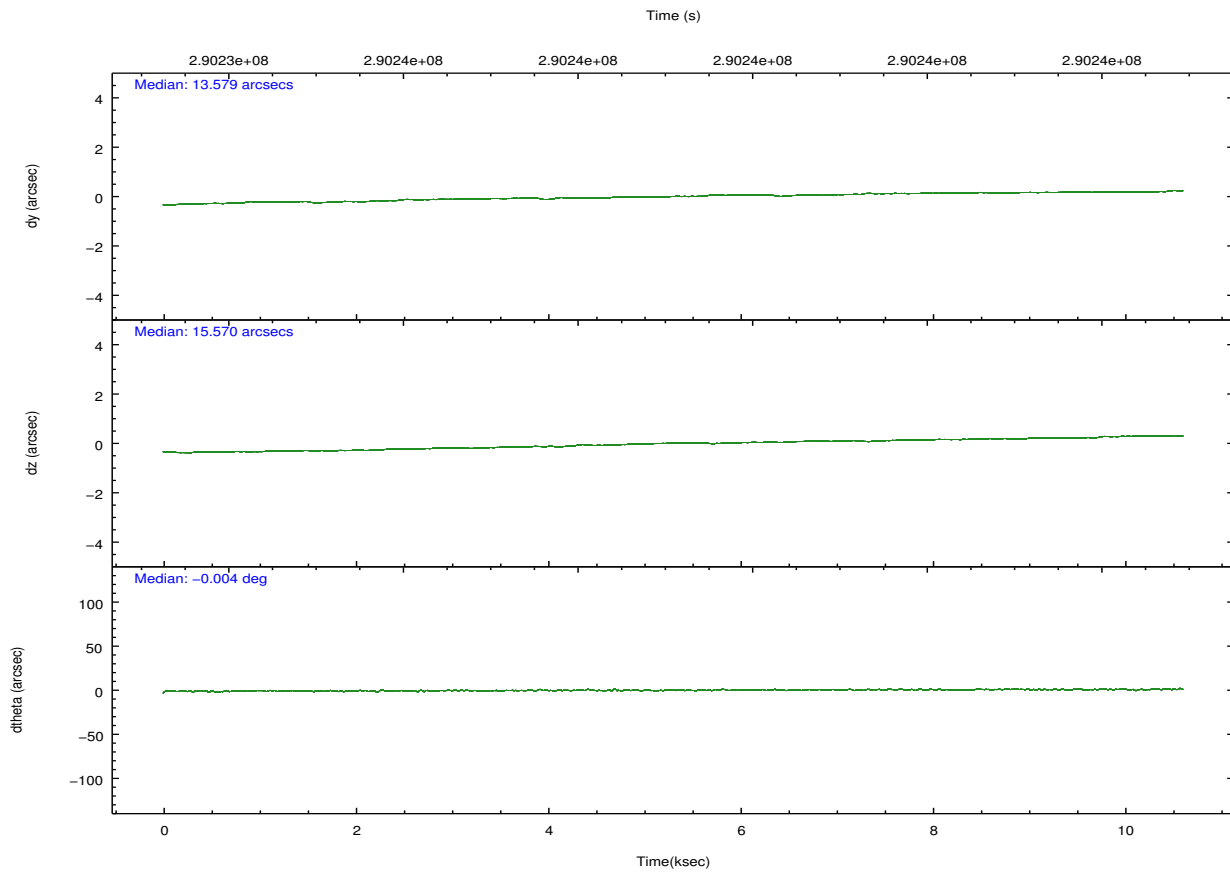
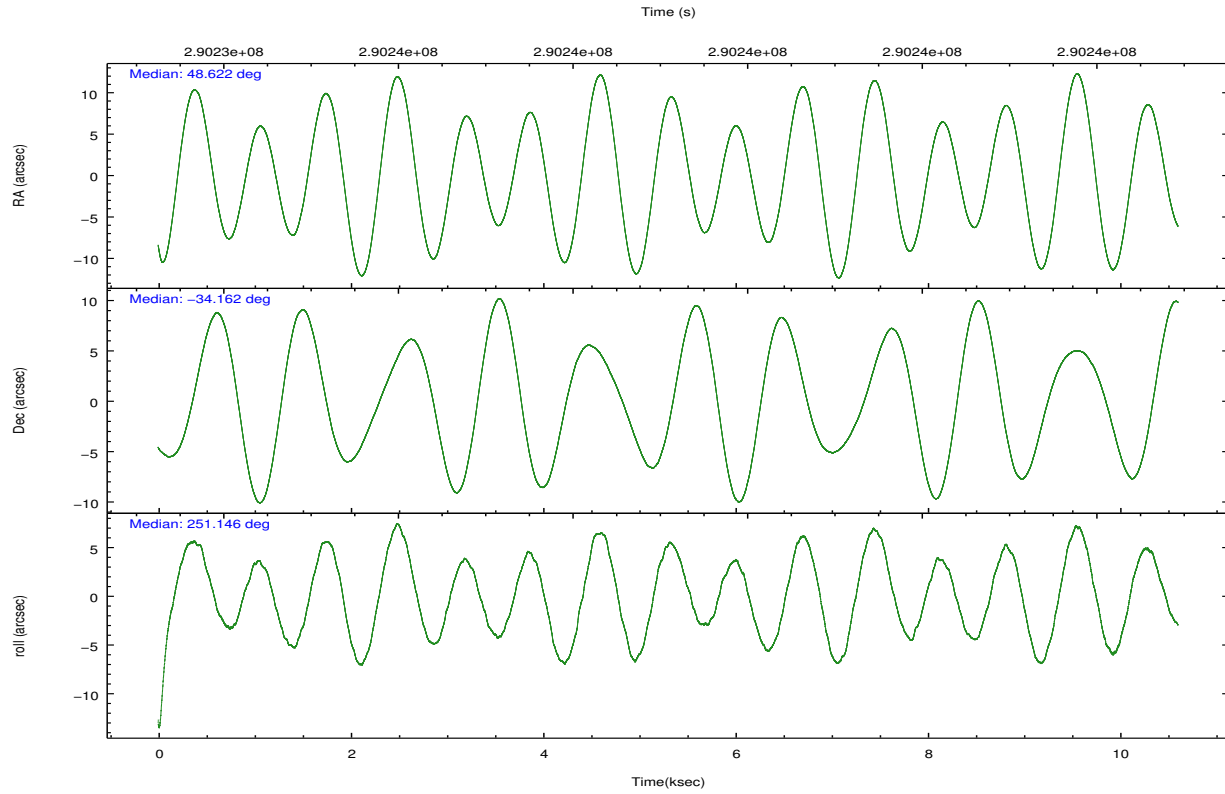
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2487	7669	3158	3811	7303
	3%	7%	4%	4%	7%
grade 1 events	46	1012	40	73	89
	0%	0%	0%	0%	0%
grade 2 events	1596	15927	1772	8125	5450
	2%	14%	2%	9%	5%
grade 3 events	764	2219	964	3607	2586
	1%	2%	1%	4%	2%
grade 4 events	755	2273	882	3631	2386
	1%	2%	1%	4%	2%
grade 5 events	3033	8435	3070	9190	4320
	4%	7%	3%	10%	4%
grade 6 events	1366	27398	1677	20352	6212
	1%	25%	2%	23%	6%
grade 7 events	63847	44017	66977	37610	69669
	86%	40%	85%	43%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	48.615170	48.62200152904828	CCD I2 on	N	N
[deg] Pointing Dec	-34.134892	-34.16164633896079	CCD I3 on	O1	Y
[deg] Pointing Roll	250.989310	251.1497662369108	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O2	Y
[s] Observation start time (MET)	290234385.184000	290233100.07609	CCD S5 on	N	N
Observation start date	2007-03-14T04:38:40	2007-03-14T04:18:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	290244385.184000	290244615.43914	On-chip summing requested	N	N
Observation end date	2007-03-14T07:25:20	2007-03-14T07:30:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



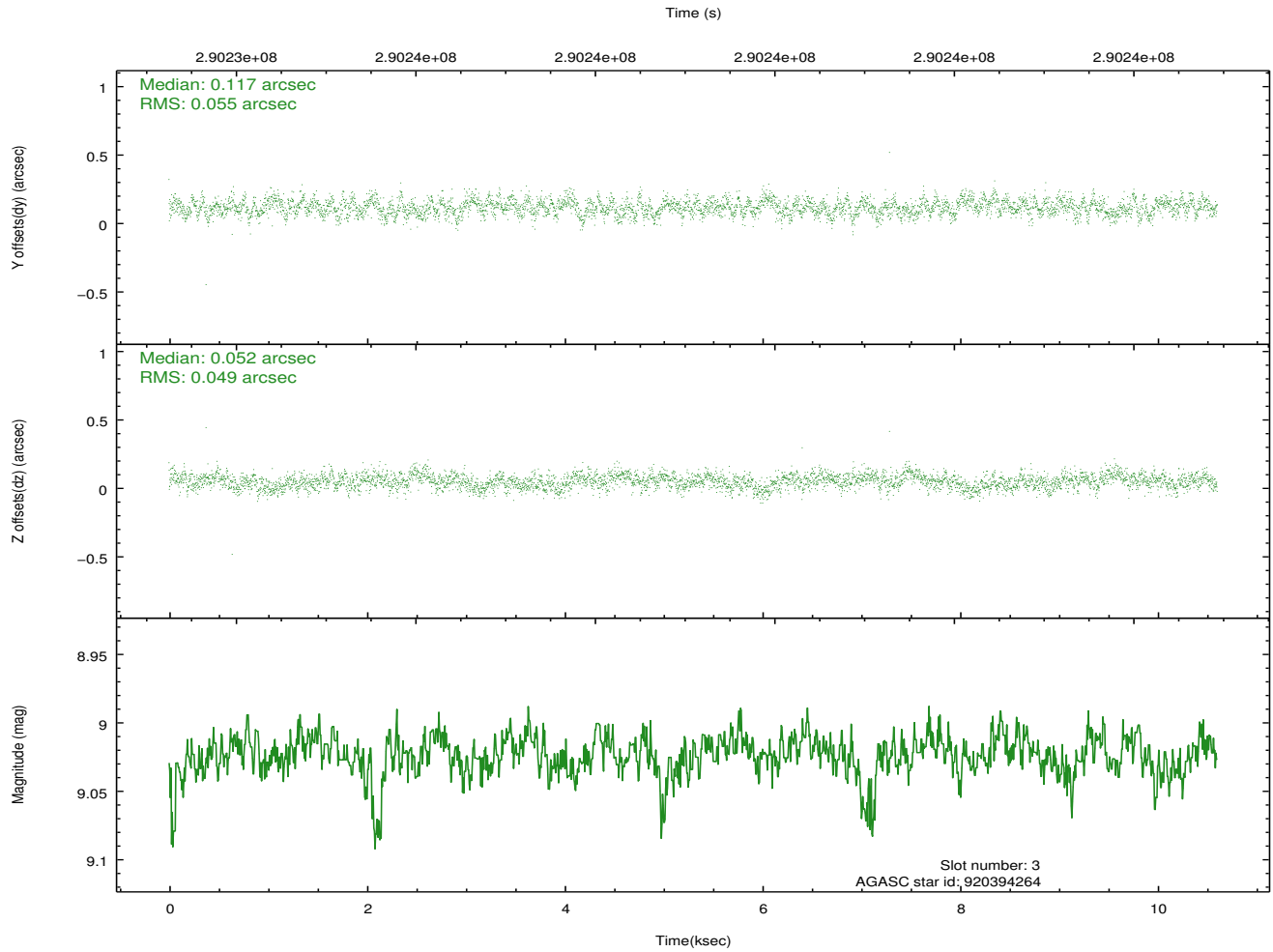
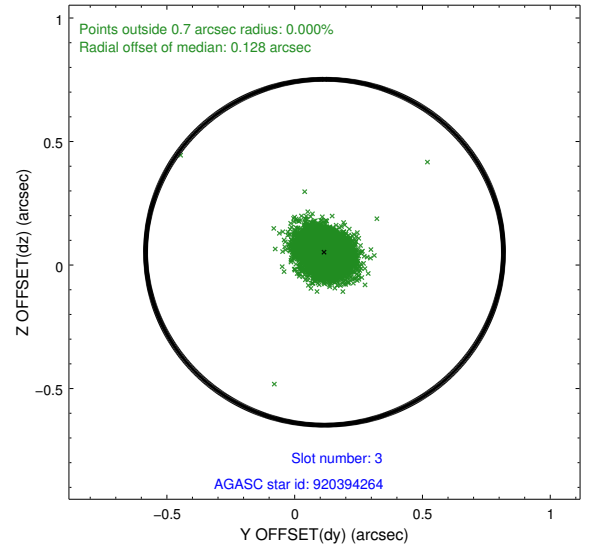
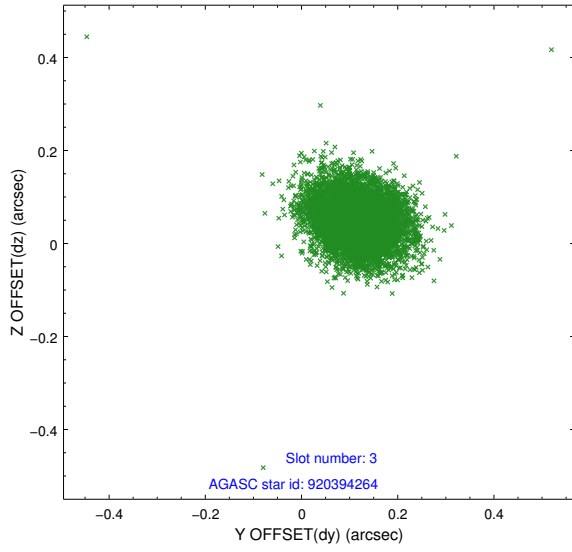


Slot Statistics

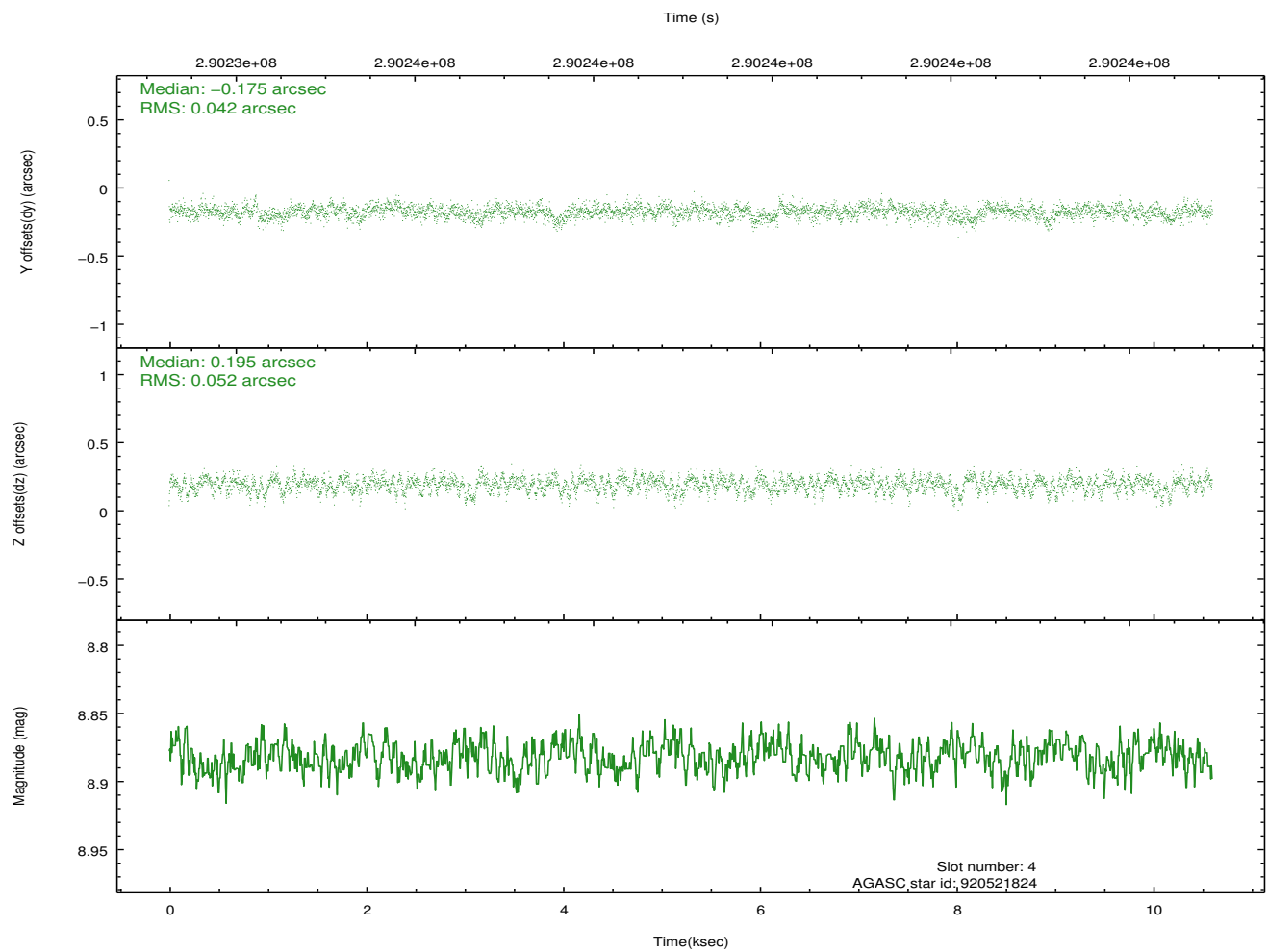
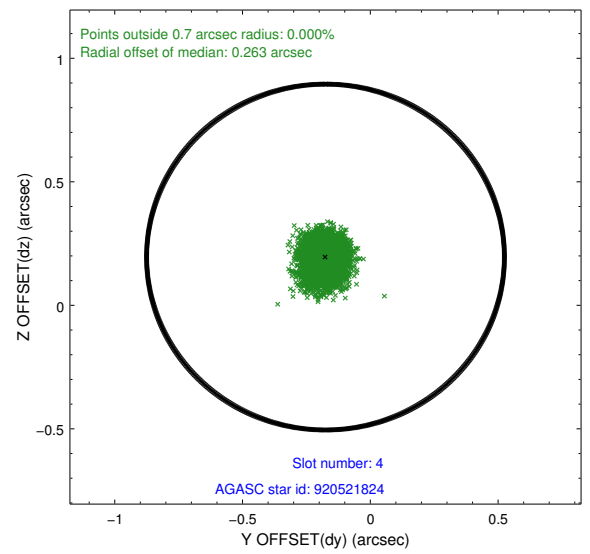
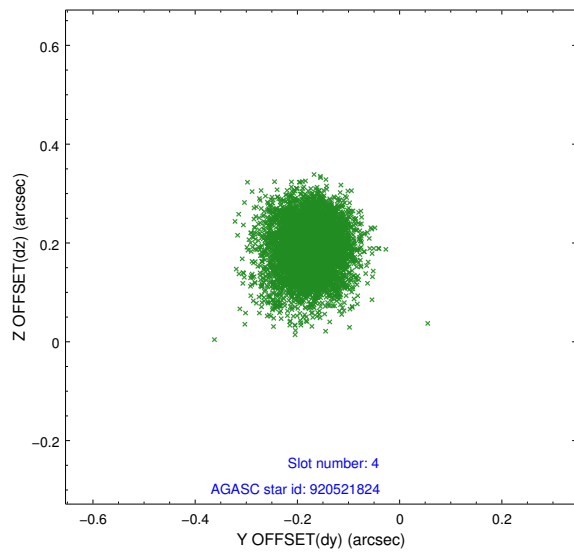
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2587	-0.104	-0.076	0.007	0.013	0.000000	0.000000	-766.61	-1737.00
1	FID	ACIS-S-4	7.20	2587	0.126	0.043	0.007	0.011	0.000000	0.000000	2146.68	171.07
2	FID	ACIS-S-6	7.33	2587	-0.050	0.041	0.007	0.011	0.000000	0.000000	396.07	809.03
3	GUIDE	920394264	9.02	5171	0.117	0.052	0.077	0.124	47.929522	-34.468182	1804.44	-1530.51
4	GUIDE	920521824	8.88	5170	-0.175	0.195	0.071	0.116	48.299844	-33.560413	-1645.15	-1567.52
5	GUIDE	920521856	8.91	5170	-0.016	0.018	0.075	0.124	48.691202	-33.861205	-1005.66	-105.84
6	GUIDE	920526536	7.29	5174	-0.211	-0.091	0.058	0.091	48.866309	-34.843646	2171.47	1533.37
7	GUIDE	920394432	8.35	5171	0.279	-0.172	0.099	0.166	47.652375	-34.566757	2413.85	-2187.06

2.4 Star Slots

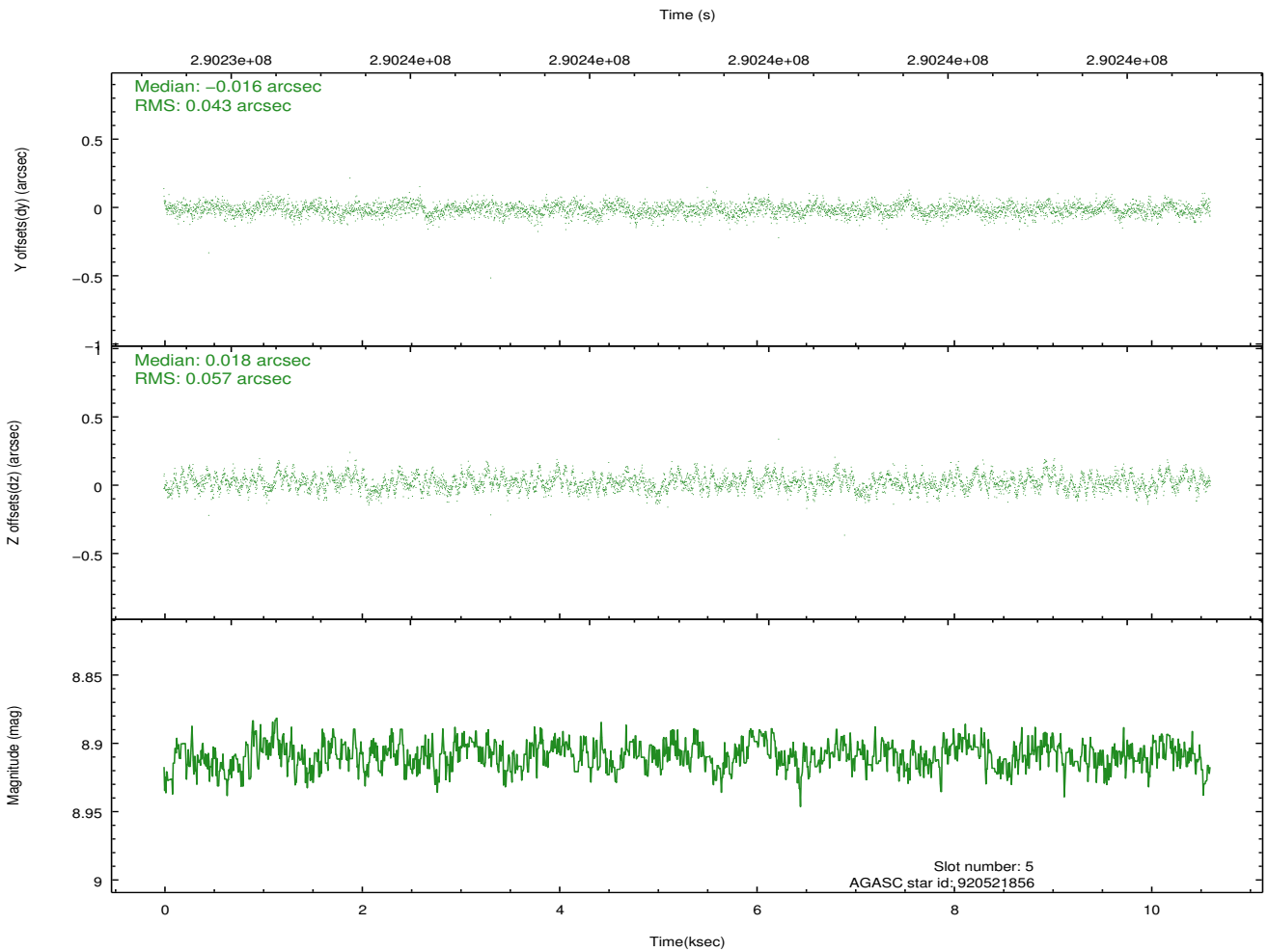
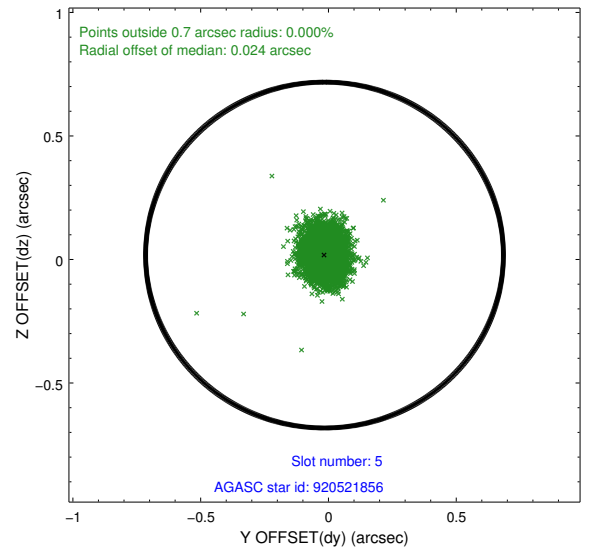
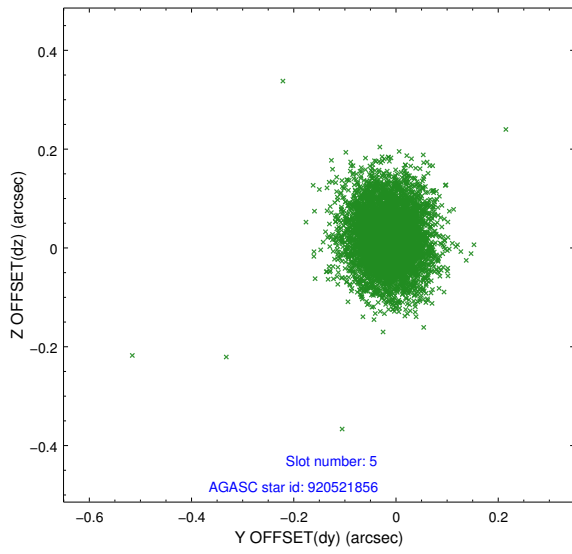
2.4.1 Slot 3



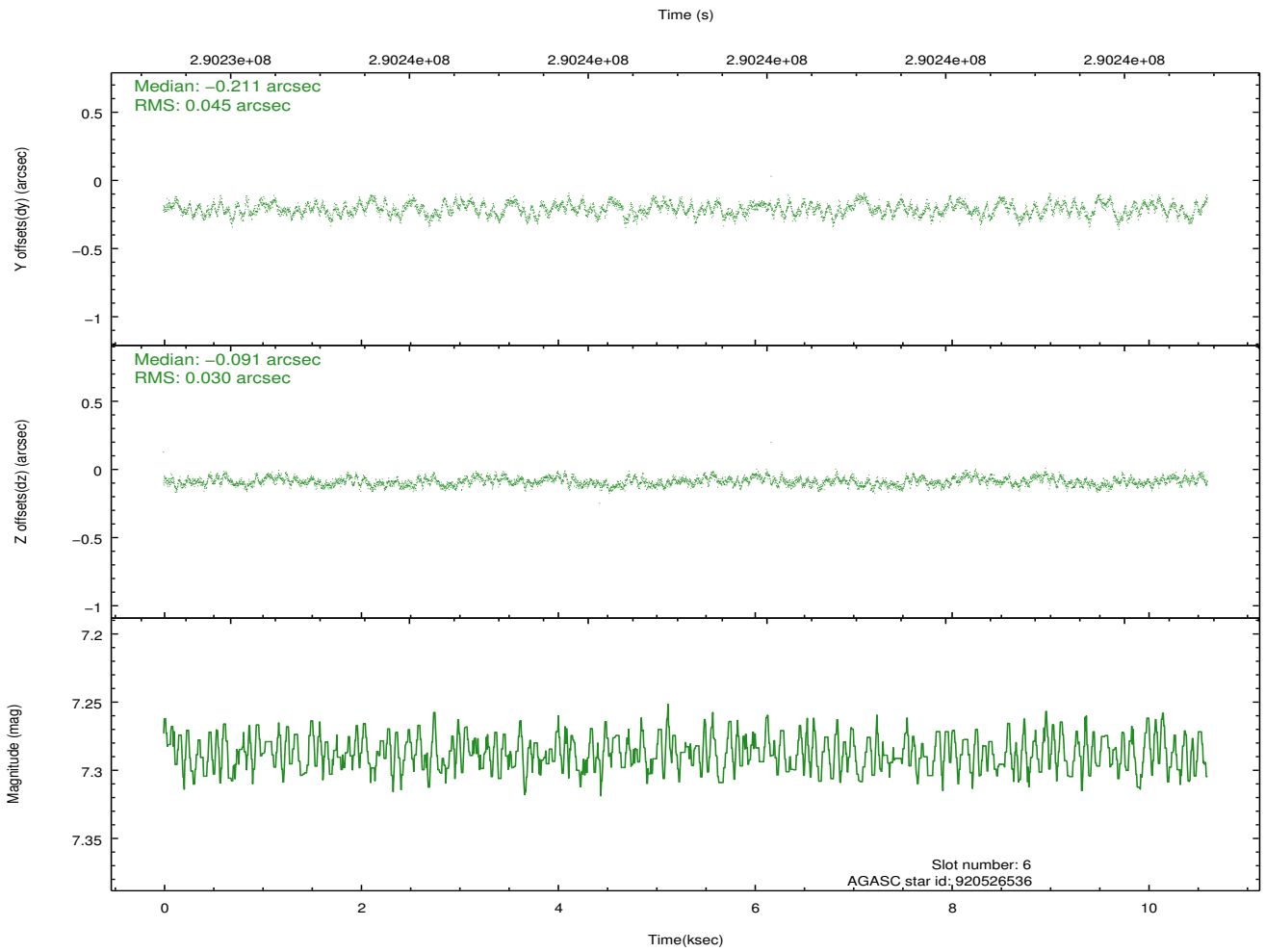
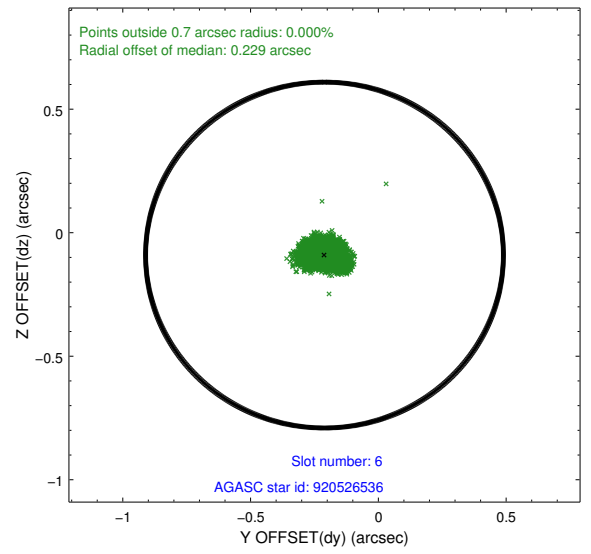
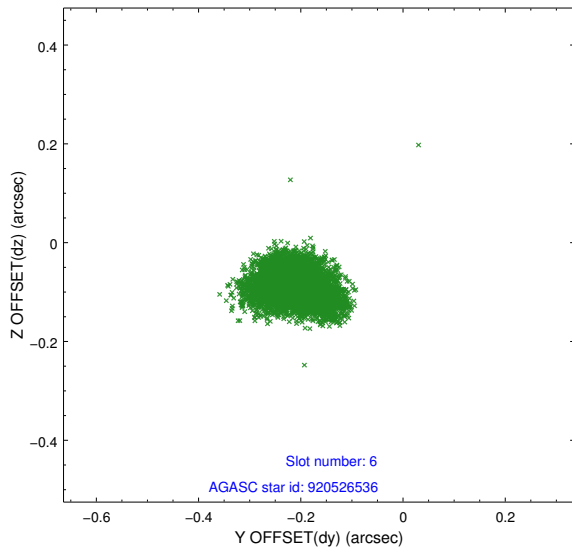
2.4.2 Slot 4



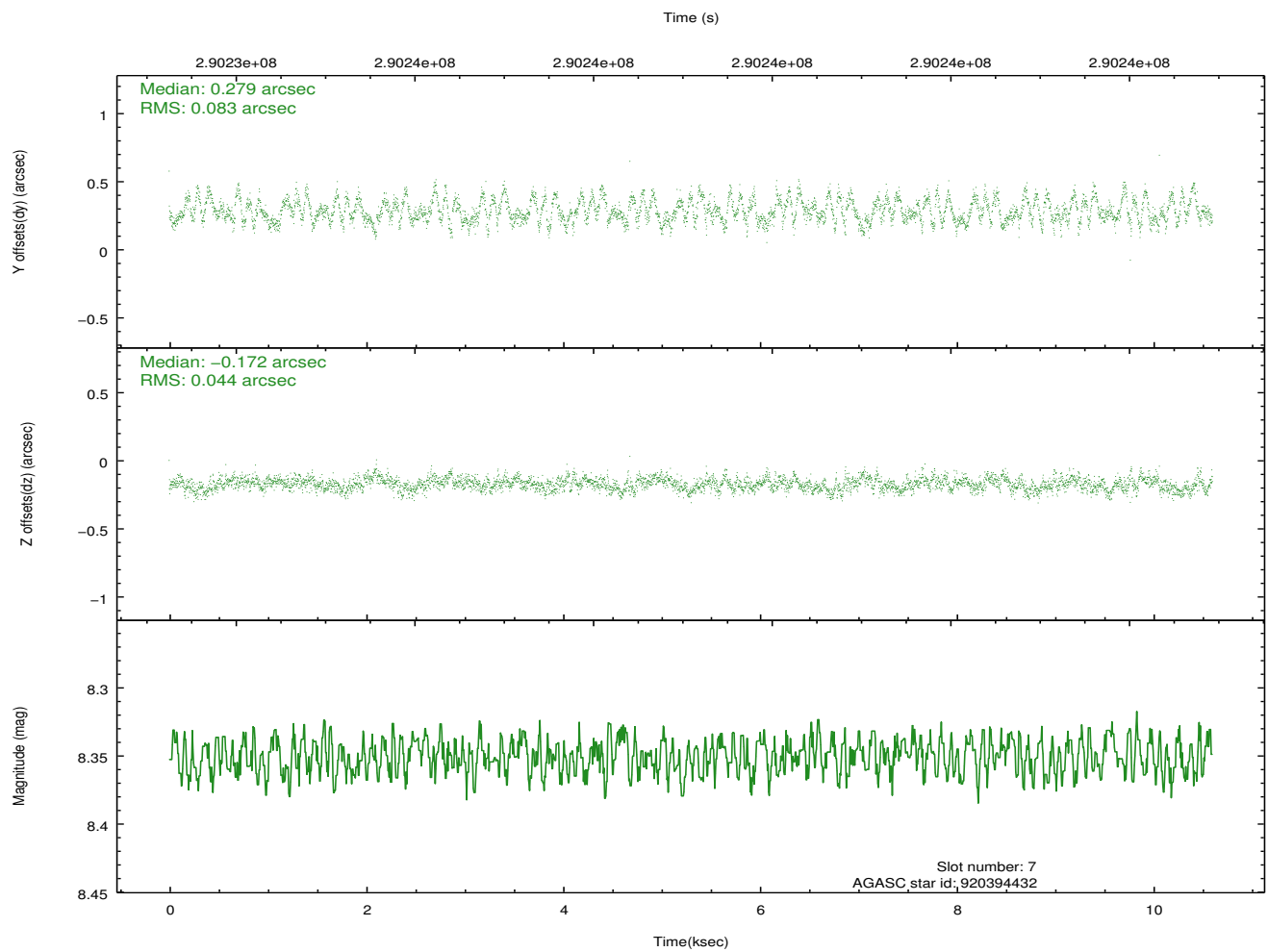
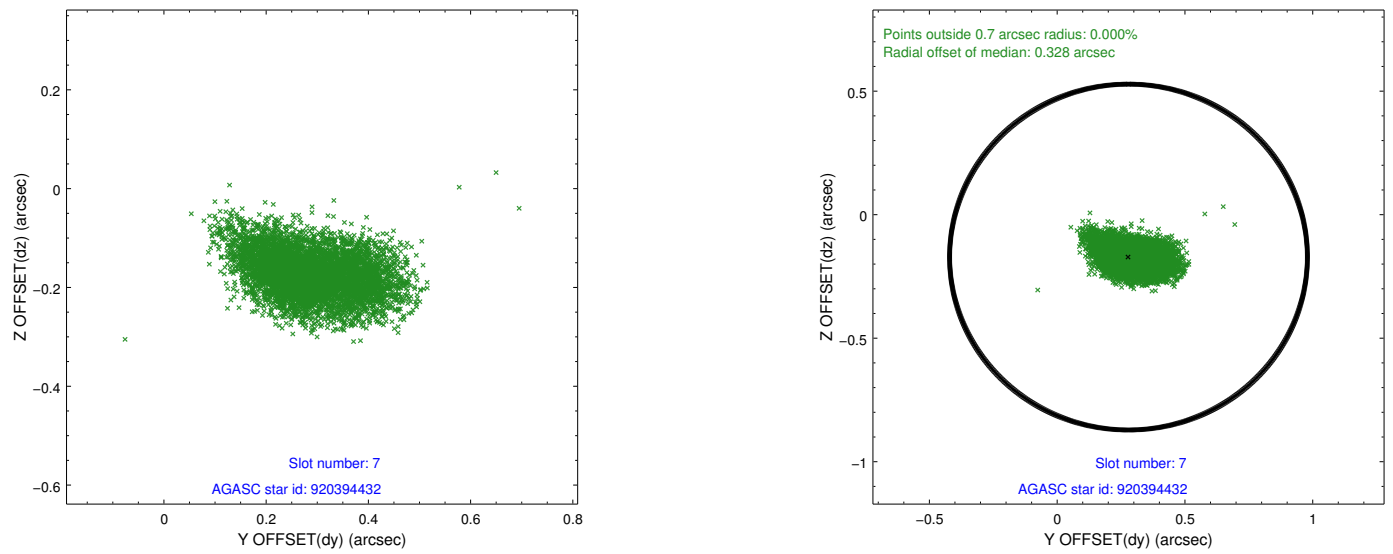
2.4.3 Slot 5



2.4.4 Slot 6

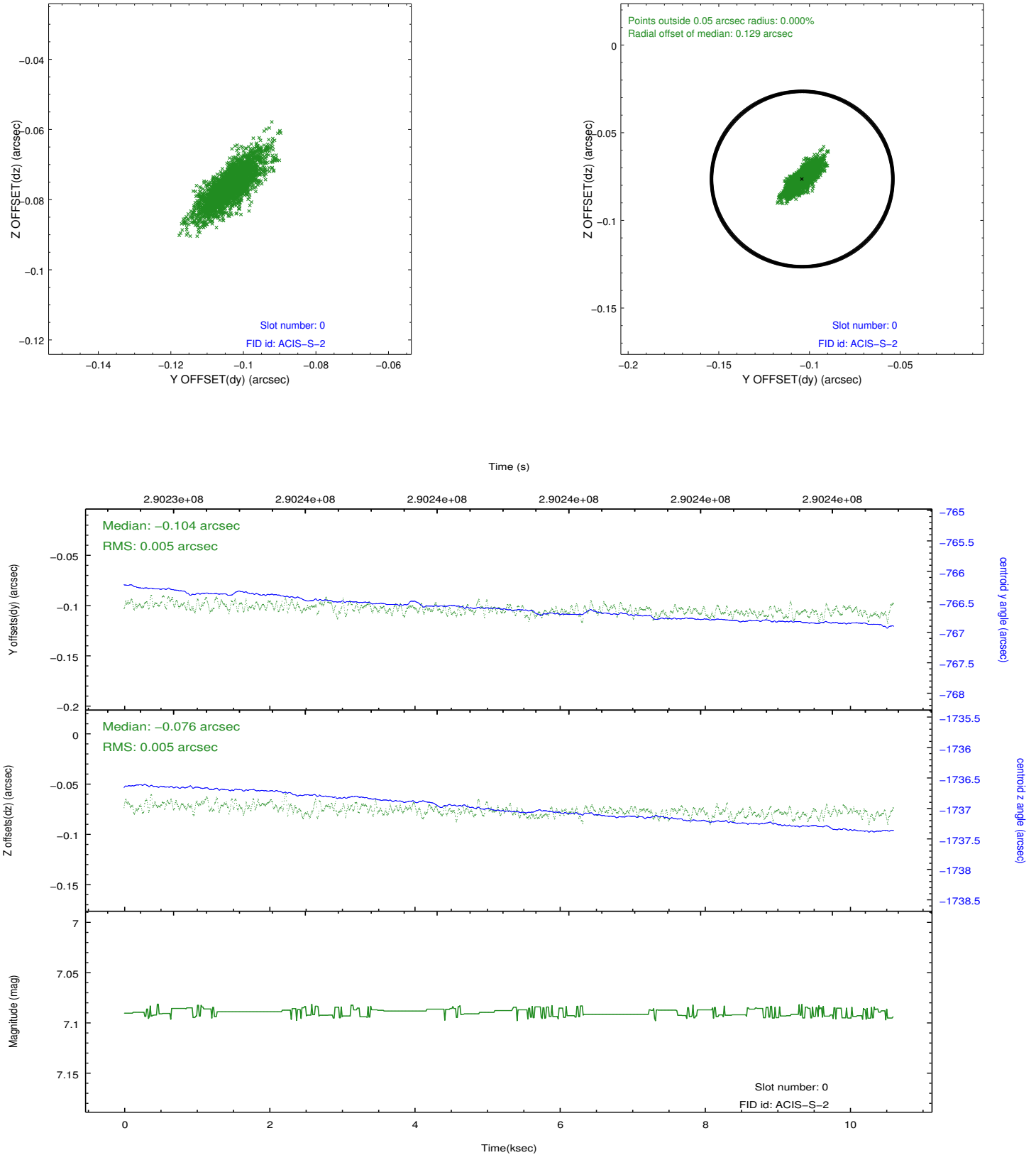


2.4.5 Slot 7

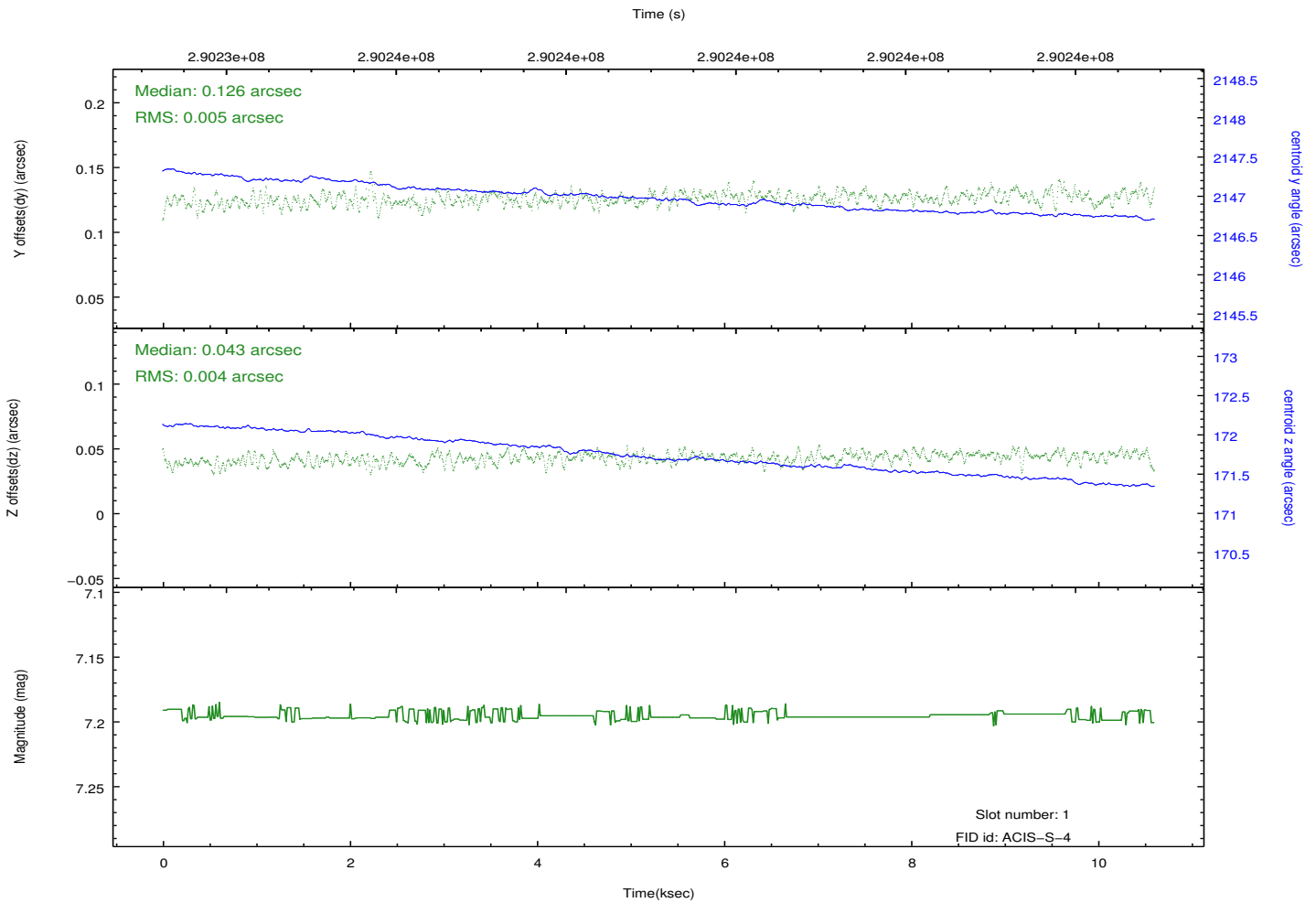
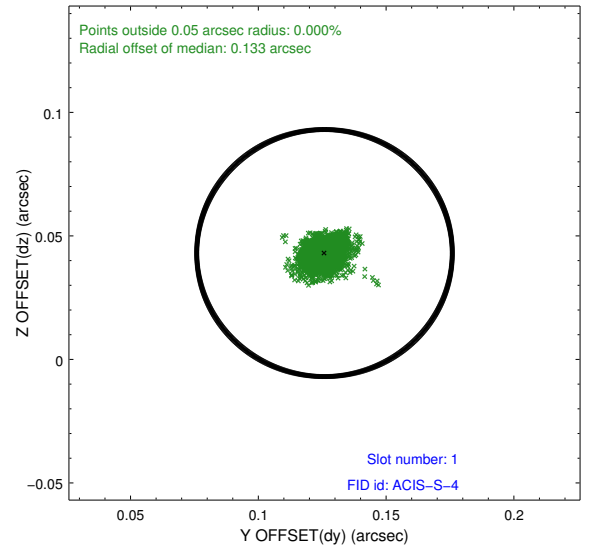
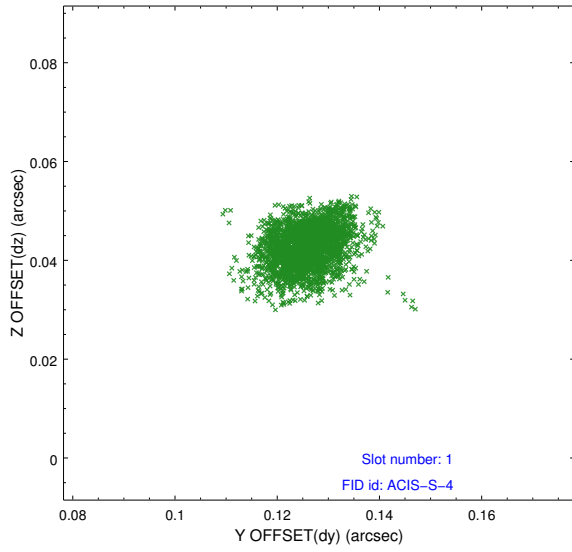


2.5 FID Slots

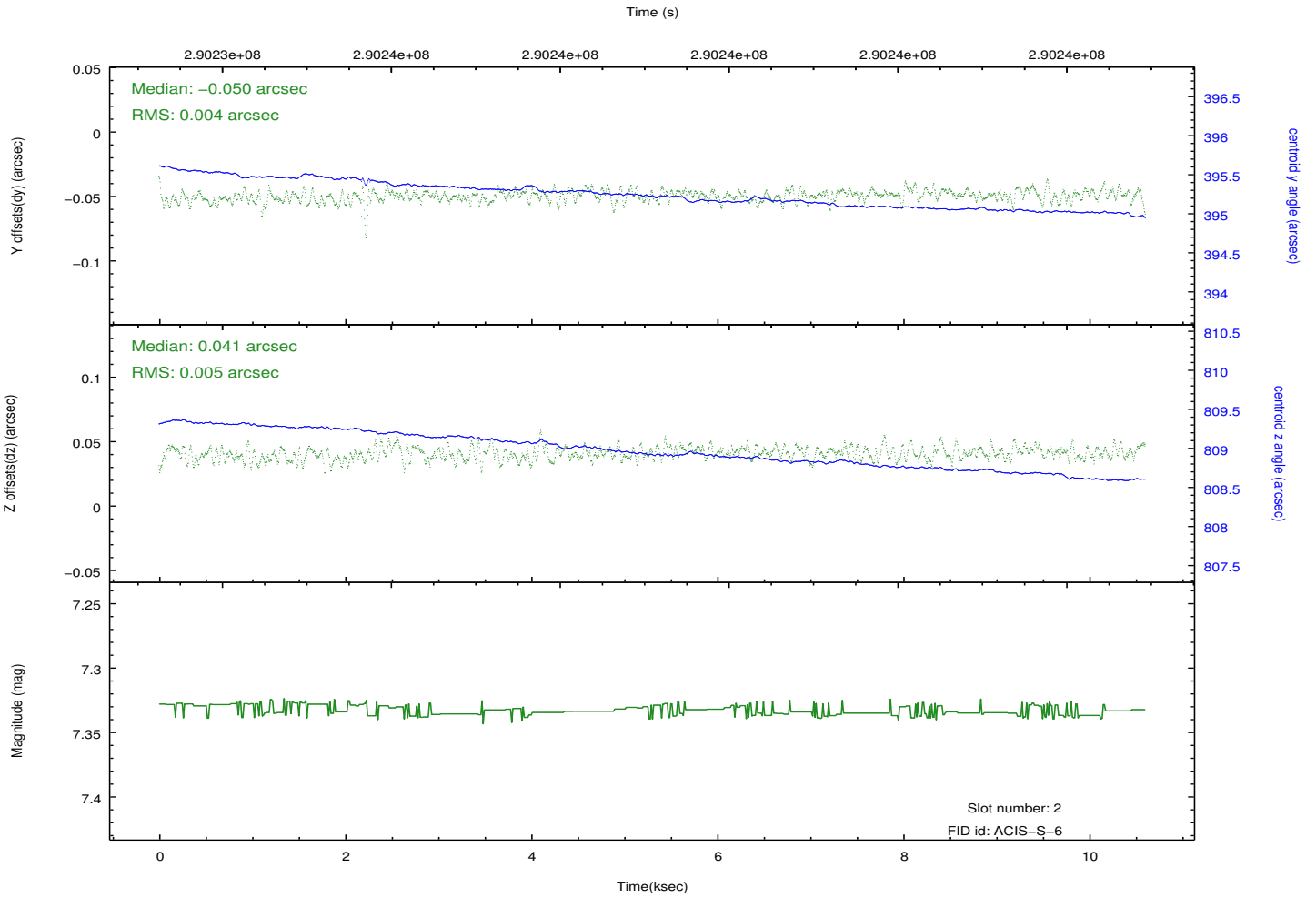
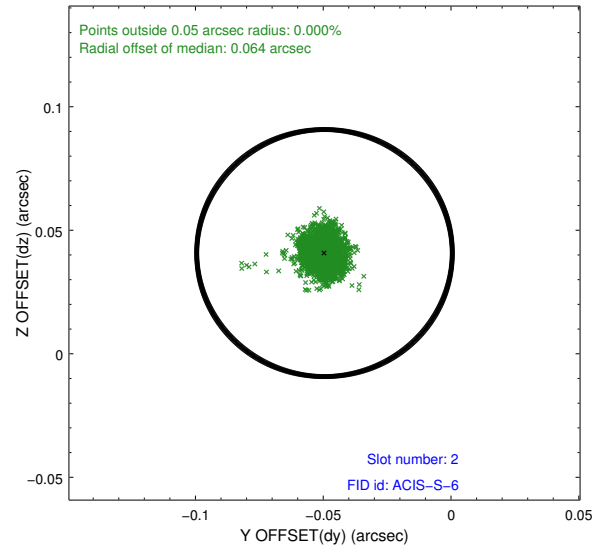
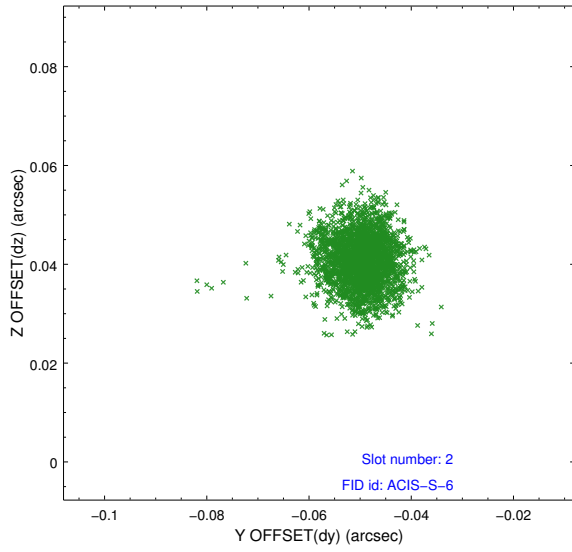
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0347

A.2 Comments