

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11355 - L2 Version 2
Chandra X-Ray Center

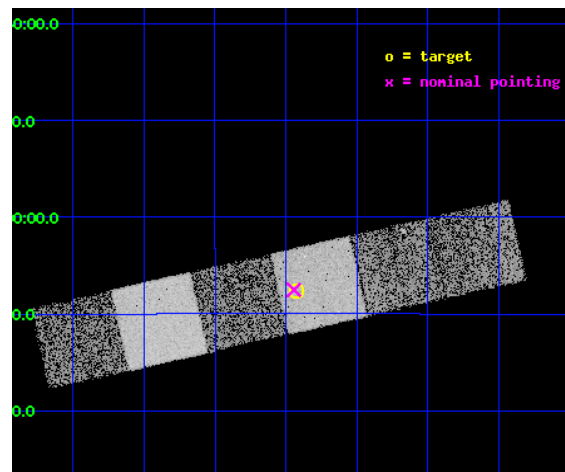
L2 Processing Date : Jun 16 2012

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1 Front

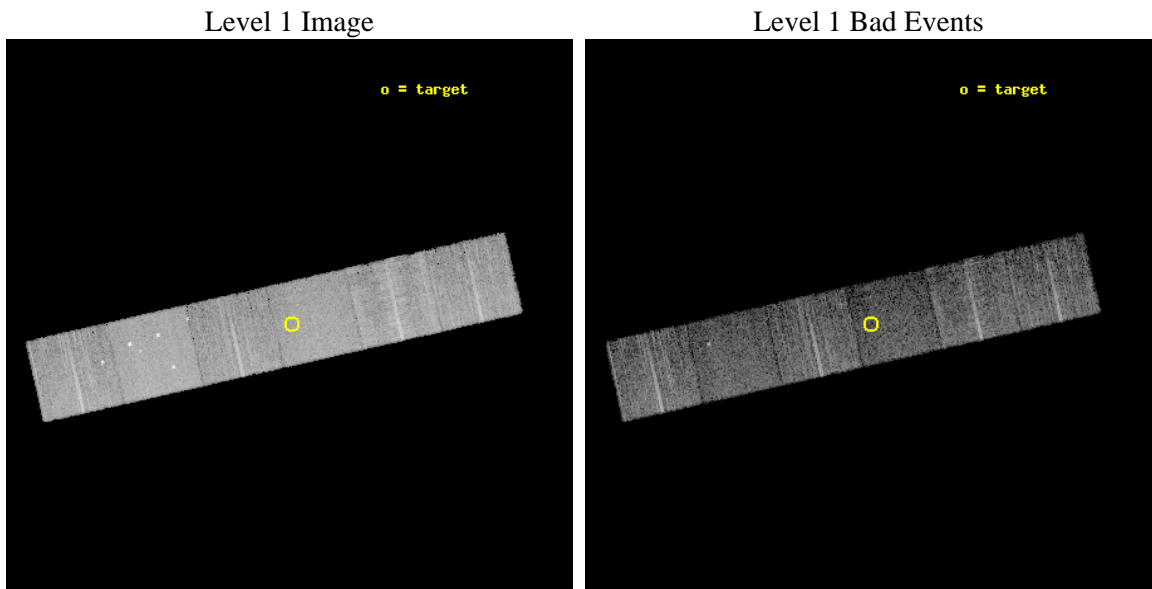
seq_num	600874	Sequence number
obs_id	11355	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC3097911	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	40.3563	Observer's specified target RA [deg]
dec_targ	-8.12691	Observer's specified target Dec [deg]
ra_nom	40.360954485074	Nominal RA [deg]
dec_nom	-8.1252600509321	Nominal Dec [deg]
roll_nom	347.23777180956	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5766.3038839698	Sum of GTIs [s]
livetime	5693.2874721396	Livetime [s]
ontime4	5766.3449239731	Sum of GTIs [s]
ontime5	5766.2628439665	Sum of GTIs [s]
ontime6	5766.2218039632	Sum of GTIs [s]
ontime7	5766.3038839698	Sum of GTIs [s]
ontime8	5766.1807639599	Sum of GTIs [s]
ontime9	5766.1397239566	Sum of GTIs [s]
l2events	77372	Number of level 2 events



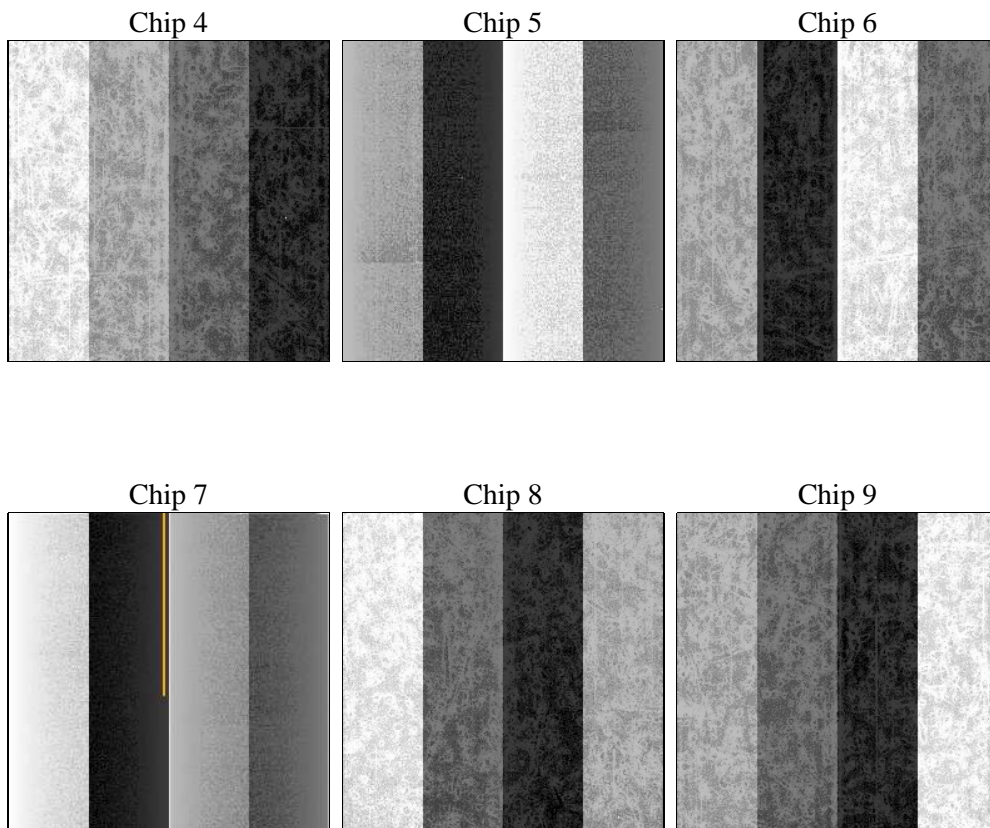
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5766.3038839698	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	5766.3449239731	Sum of GTIs [s]
date	2012-06-16T15:24:11	Date and time of file creation	ontime5	5766.2628439665	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5766.2218039632	Sum of GTIs [s]
			ontime7	5766.3038839698	Sum of GTIs [s]
			ontime8	5766.1807639599	Sum of GTIs [s]
			ontime9	5766.1397239566	Sum of GTIs [s]
			l1events	352492	Number of level 1 events

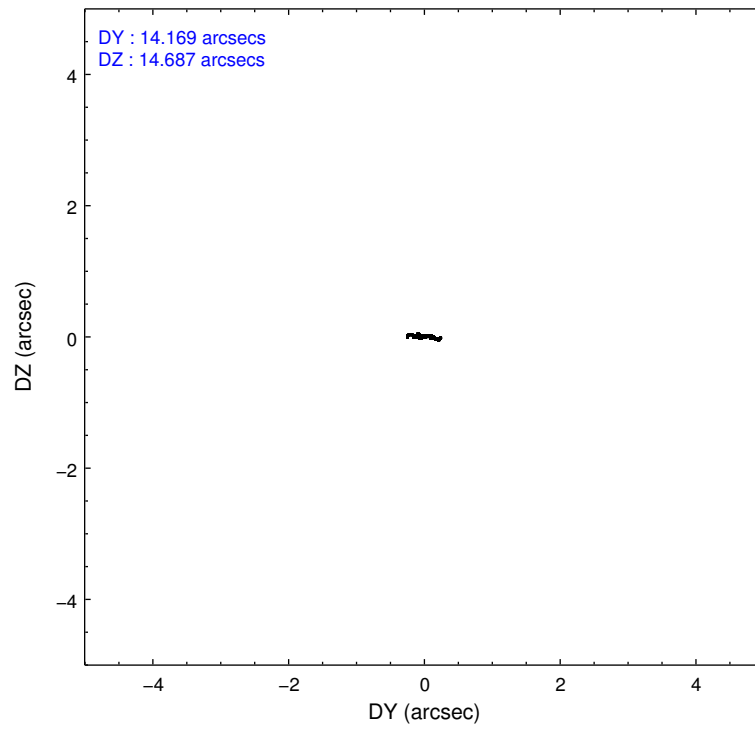
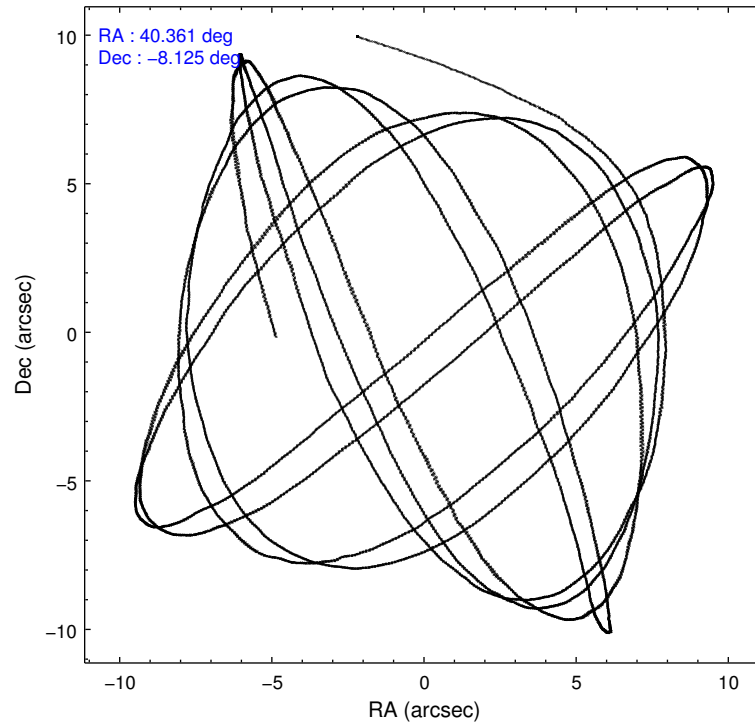
2.1.4 Events

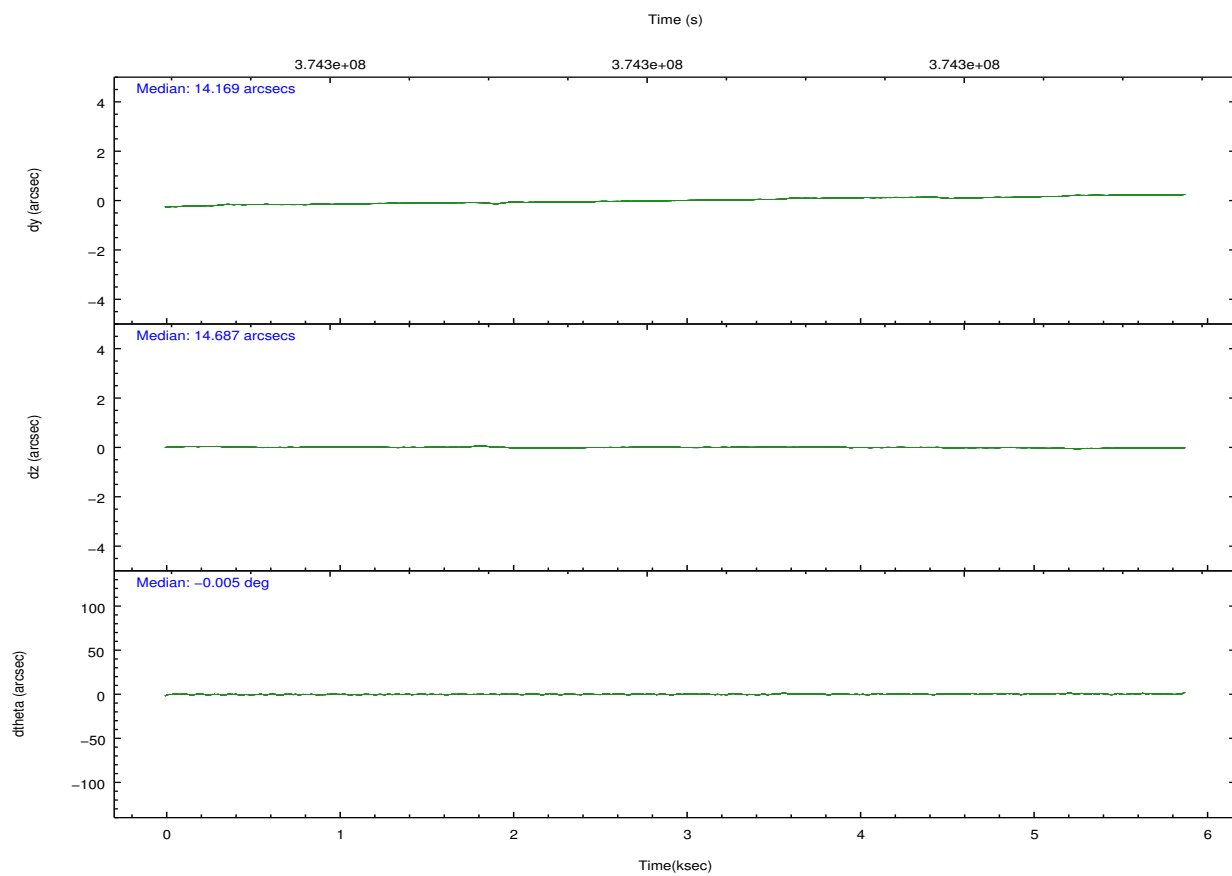
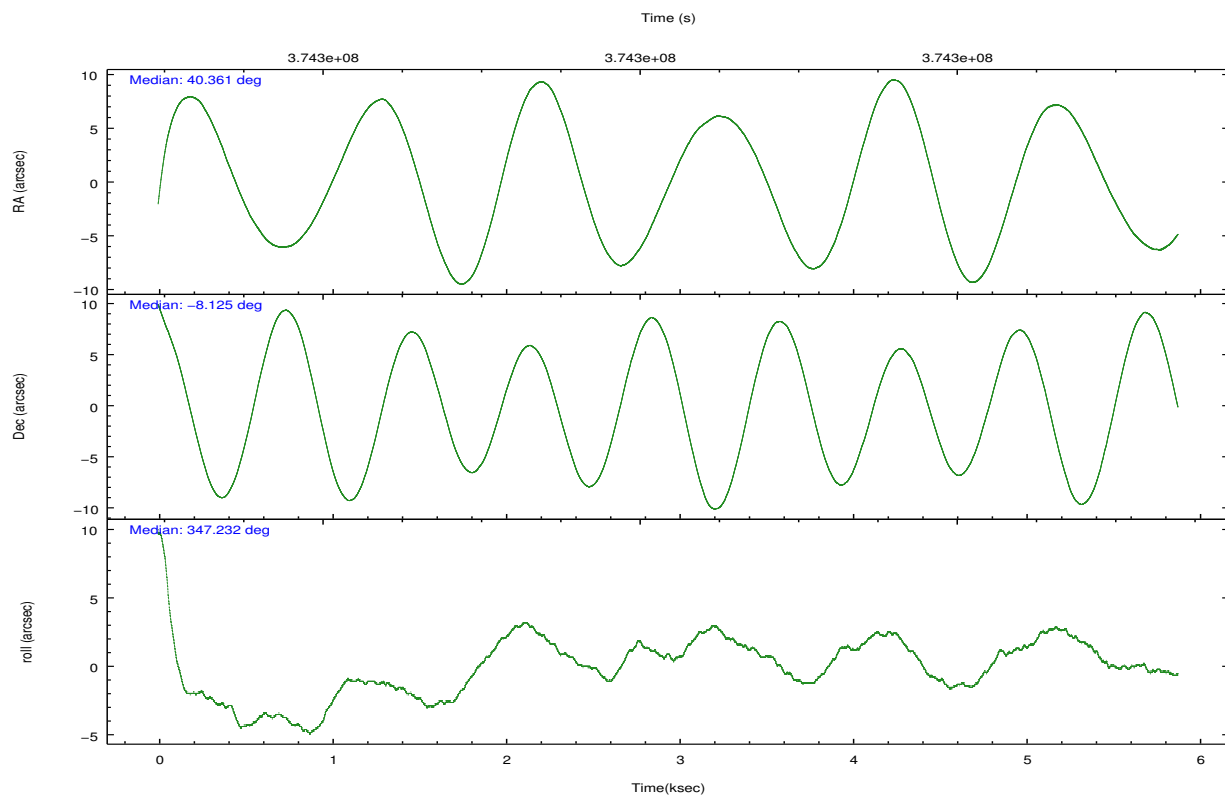
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	58451	73728	50994	56703	62612	50004	grade 0 events	2835	4601	1828	2316	4709	1995
rejected events	52263	36429	45842	30707	46108	44367		4%	6%	3%	4%	7%	3%
rejected %	89%	49%	89%	54%	73%	88%	grade 1 events	55	179	25	76	56	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	1334	11430	1161	5314	3993	1244
								2%	15%	2%	9%	6%	2%
							grade 3 events	585	1407	581	2366	1790	599
								1%	1%	1%	4%	2%	1%
							grade 4 events	525	1363	523	2333	1585	620
								0%	1%	1%	4%	2%	1%
							grade 5 events	1971	5712	2040	5992	3056	2310
								3%	7%	4%	10%	4%	4%
							grade 6 events	914	18532	1065	13693	4436	1183
								1%	25%	2%	24%	7%	2%
							grade 7 events	50232	30504	43771	24613	42987	42031
								85%	41%	85%	43%	68%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	40.334662	40.36095448507402	CCD I2 on	N	N
[deg] Pointing Dec	-8.133795	-8.125260050932097	CCD I3 on	N	N
[deg] Pointing Roll	347.077402	347.2377718095648	CCD S0 on	O1	Y
[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	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	Y	Y
[s] Observation start time (MET)	374297418.184000	374296397.70237	CCD S5 on	O2	Y
Observation start date	2009-11-11T03:29:12	2009-11-11T03:13:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	374303118.184000	374304278.92777	On-chip summing requested	N	N
Observation end date	2009-11-11T05:04:12	2009-11-11T05:24:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



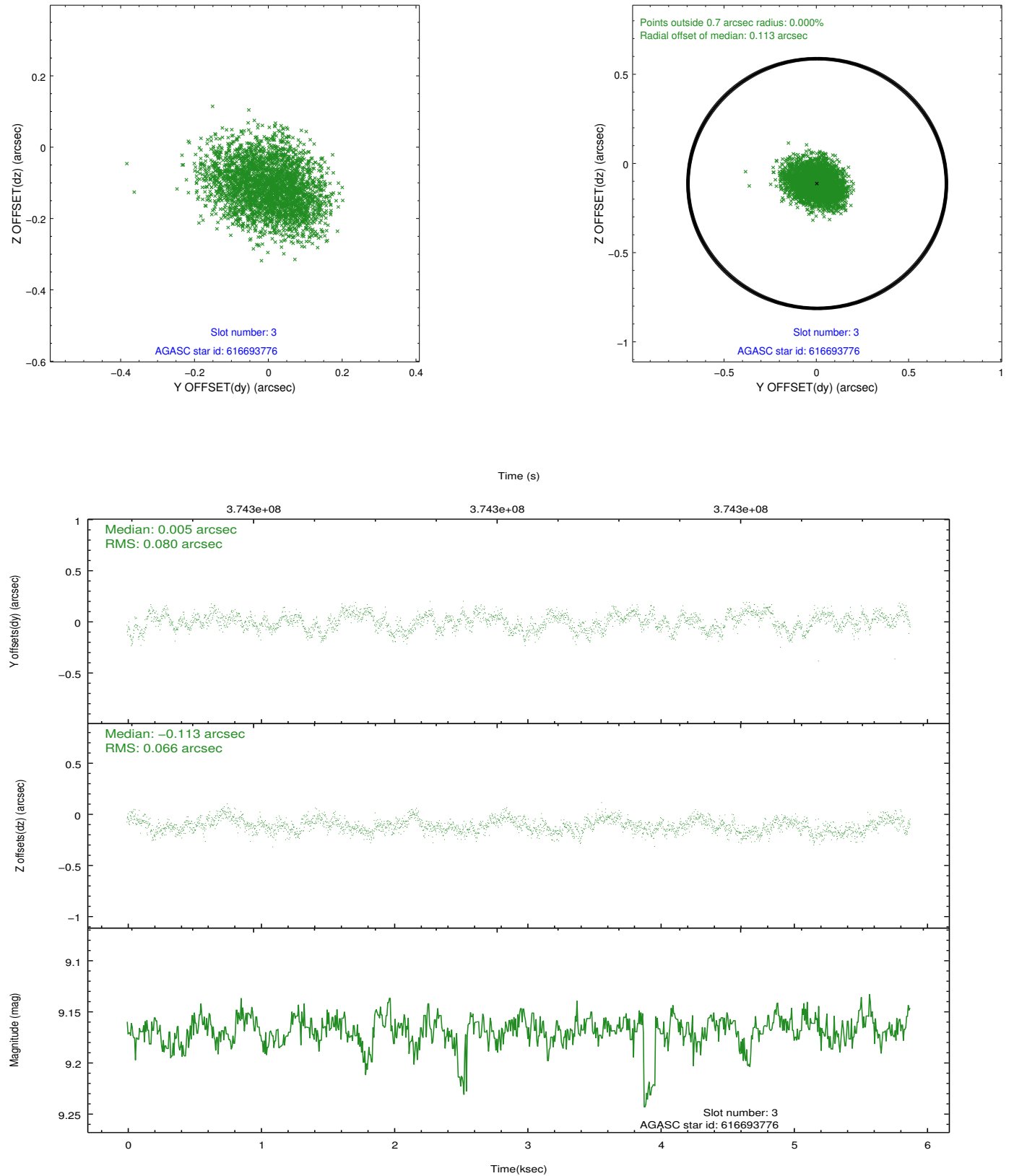


Slot Statistics

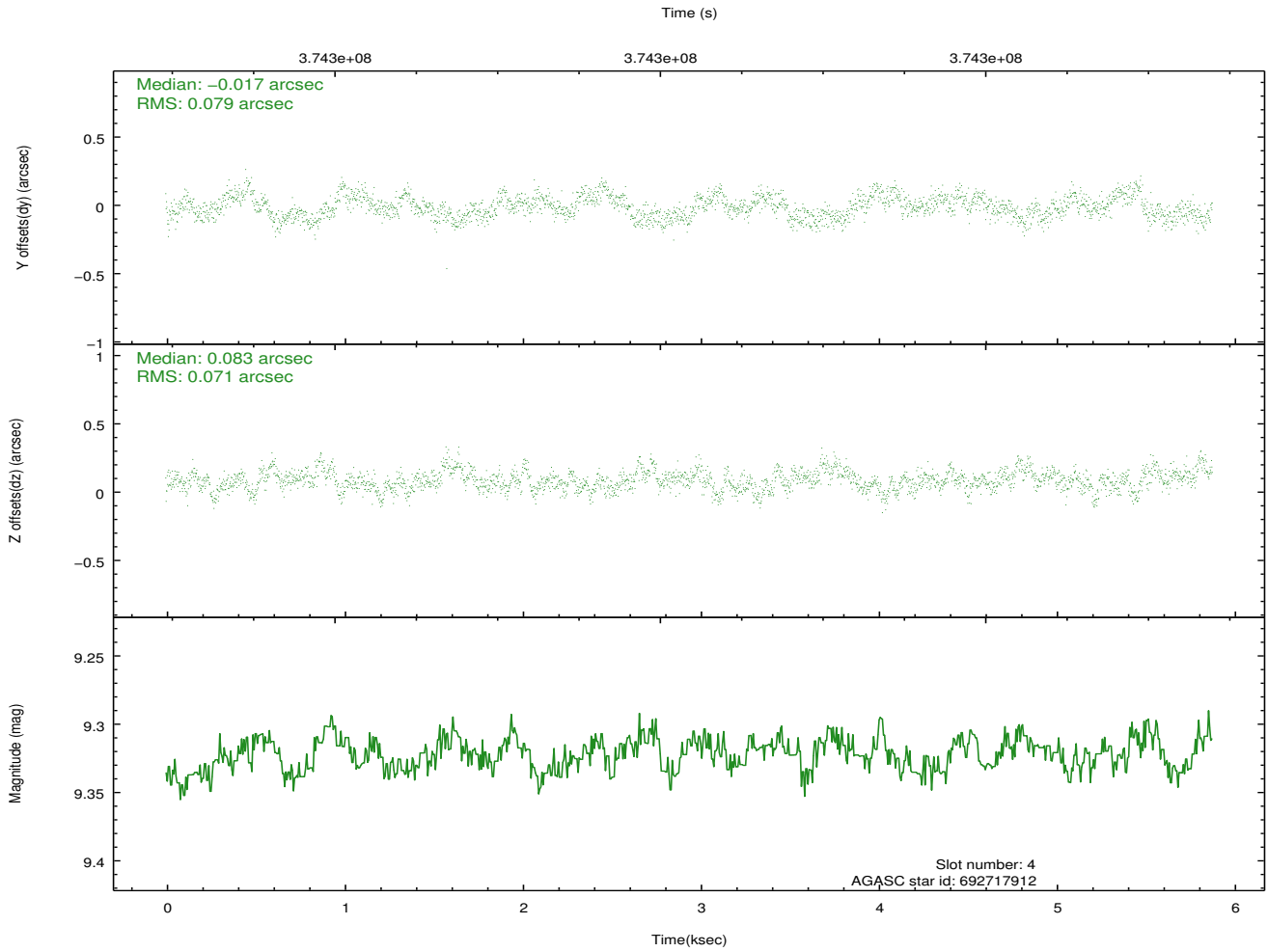
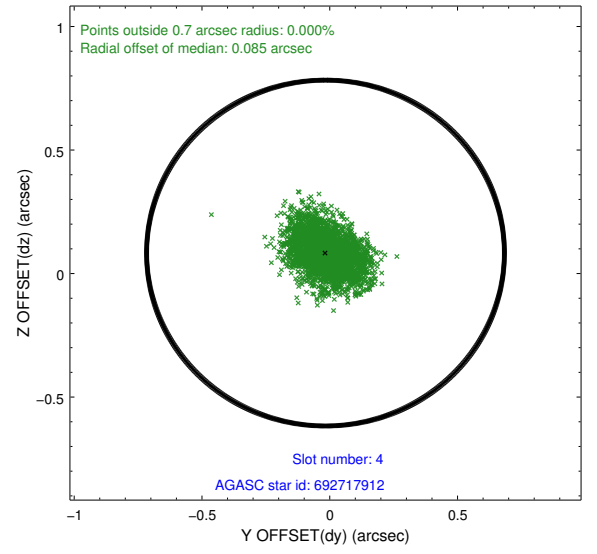
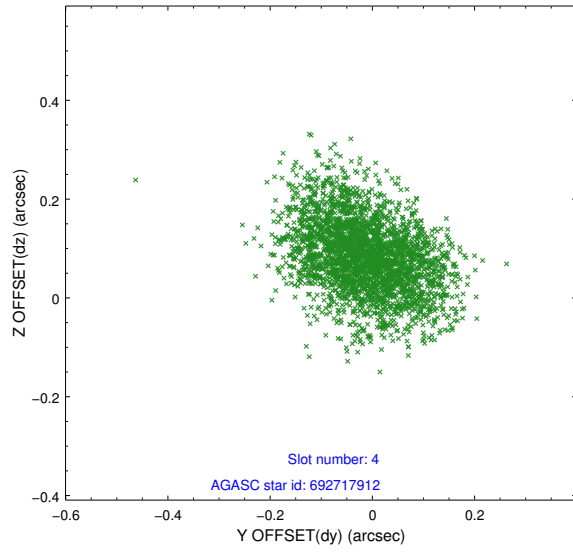
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1434	-0.071	-0.037	0.008	0.014	0.000000	0.000000	-767.17	-1736.00
1	FID	ACIS-S-4	6.97	1434	0.206	0.044	0.009	0.017	0.000000	0.000000	2145.89	171.55
2	FID	ACIS-S-5	6.99	1434	-0.166	0.002	0.009	0.020	0.000000	0.000000	-1818.83	166.28
3	GUIDE	616693776	9.17	2862	0.005	-0.113	0.112	0.174	40.101514	-7.431061	-1376.98	2279.10
4	GUIDE	692717912	9.32	2865	-0.017	0.083	0.114	0.180	39.833965	-8.248709	-1645.62	-802.43
5	GUIDE	692720256	8.22	2866	0.101	-0.003	0.072	0.117	40.539277	-8.375926	905.33	-686.80
6	GUIDE	692721992	9.35	2850	-0.129	-0.081	0.114	0.192	40.336547	-8.667081	436.52	-1870.06
7	GUIDE	692723168	8.53	2863	0.045	0.108	0.067	0.108	40.831966	-8.281919	1846.72	-125.05

2.4 Star Slots

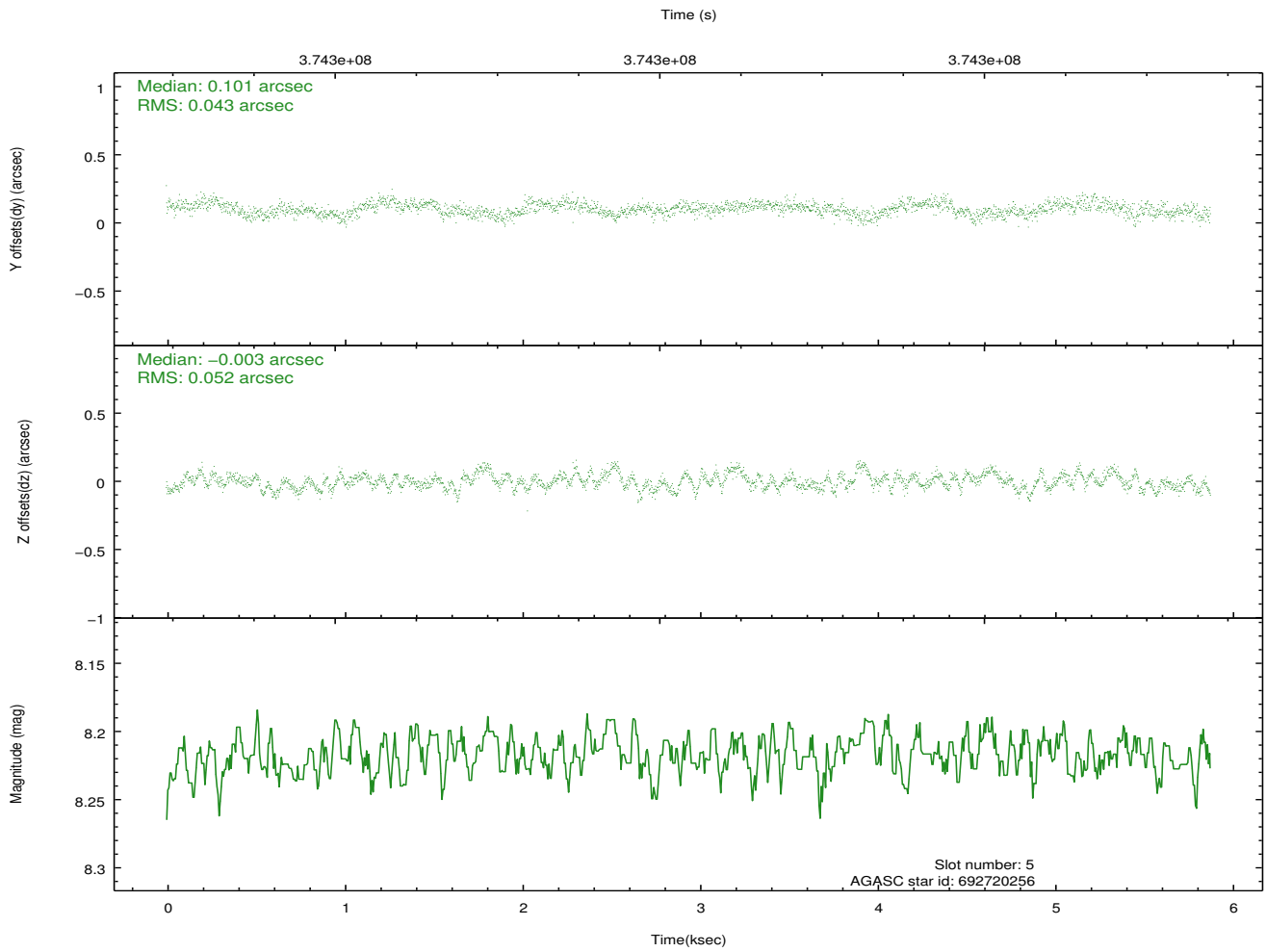
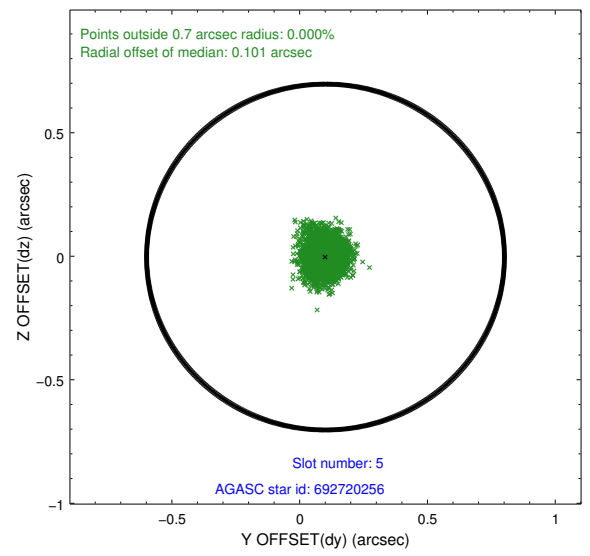
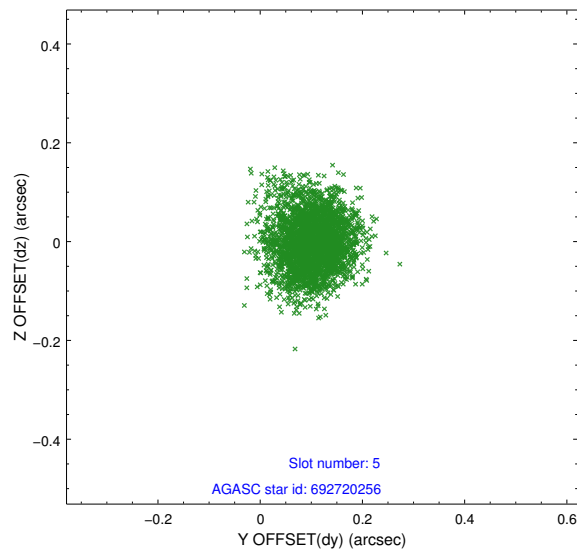
2.4.1 Slot 3



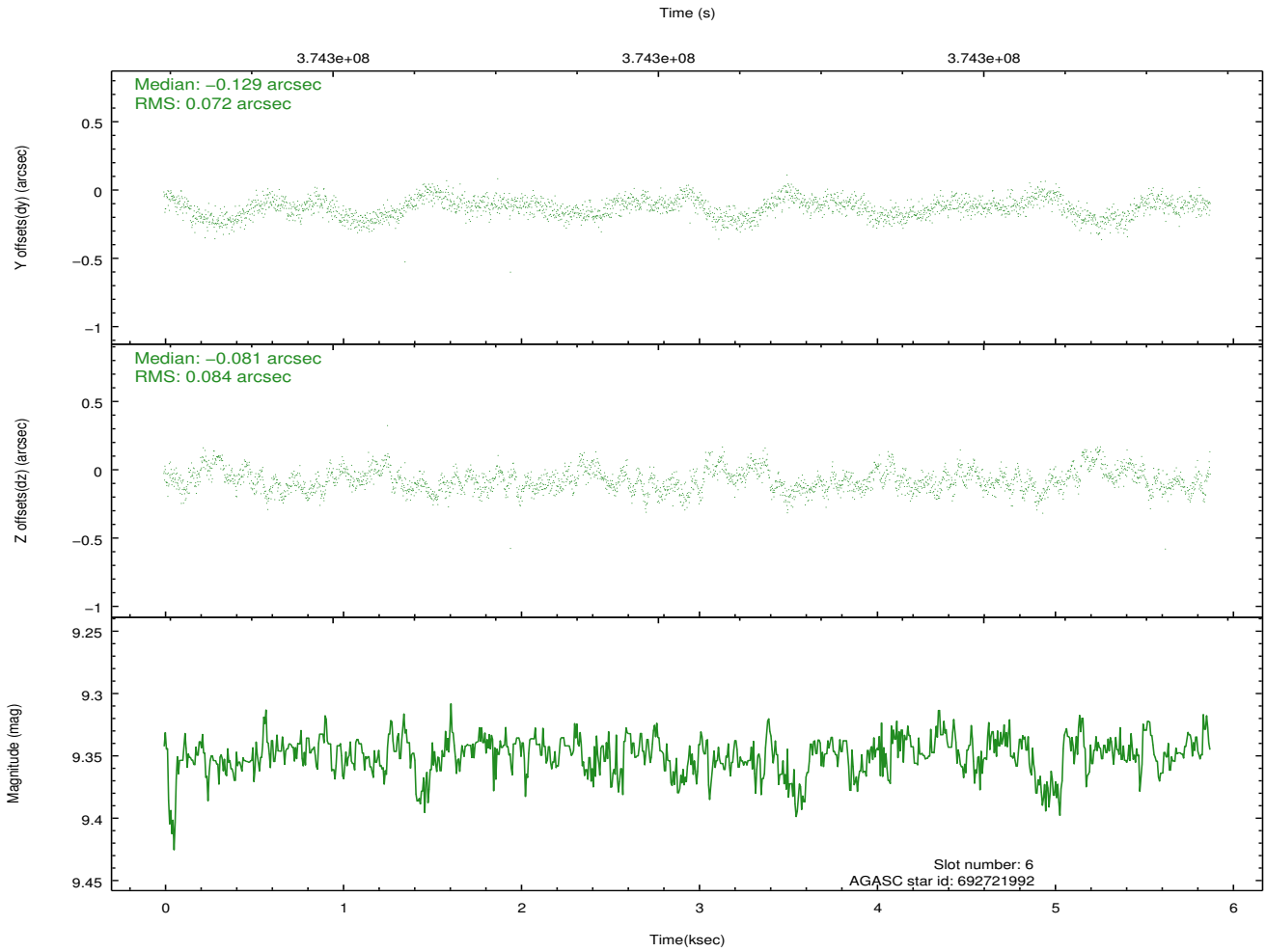
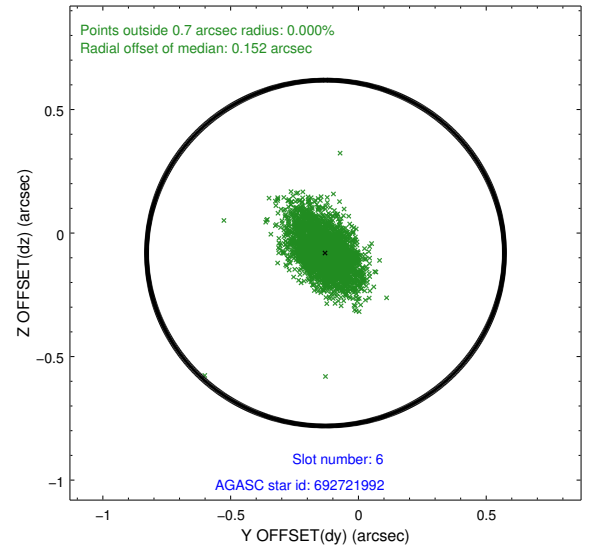
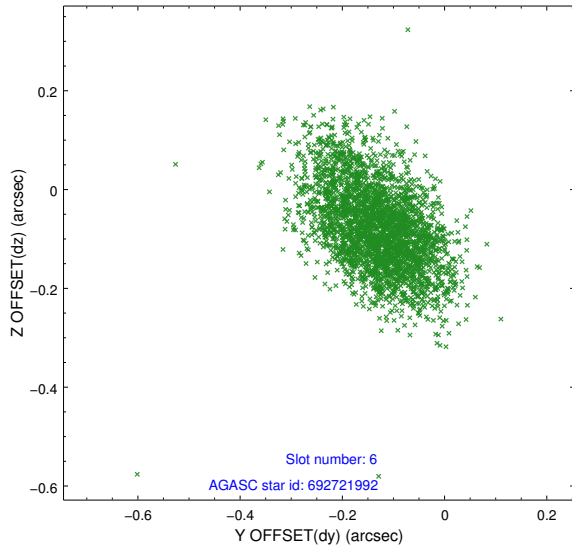
2.4.2 Slot 4



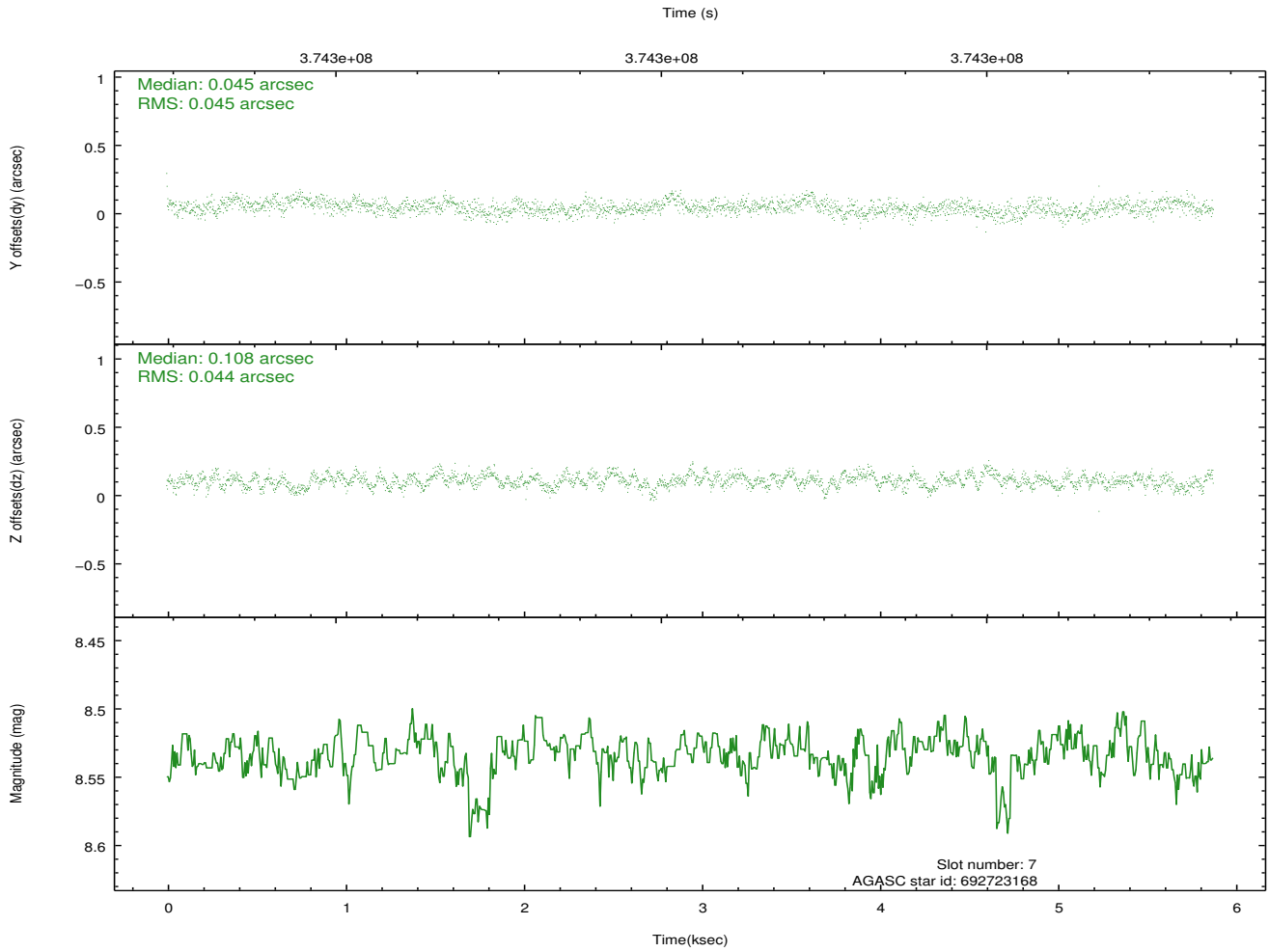
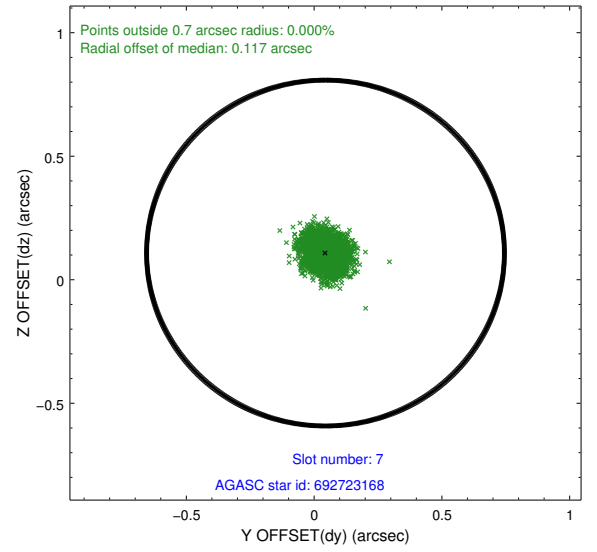
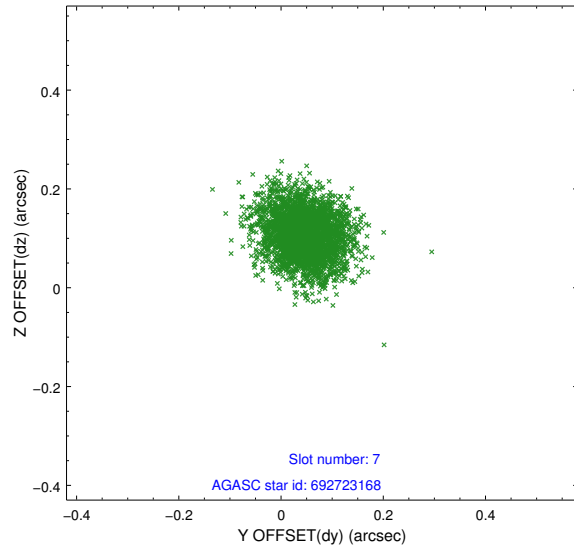
2.4.3 Slot 5



2.4.4 Slot 6

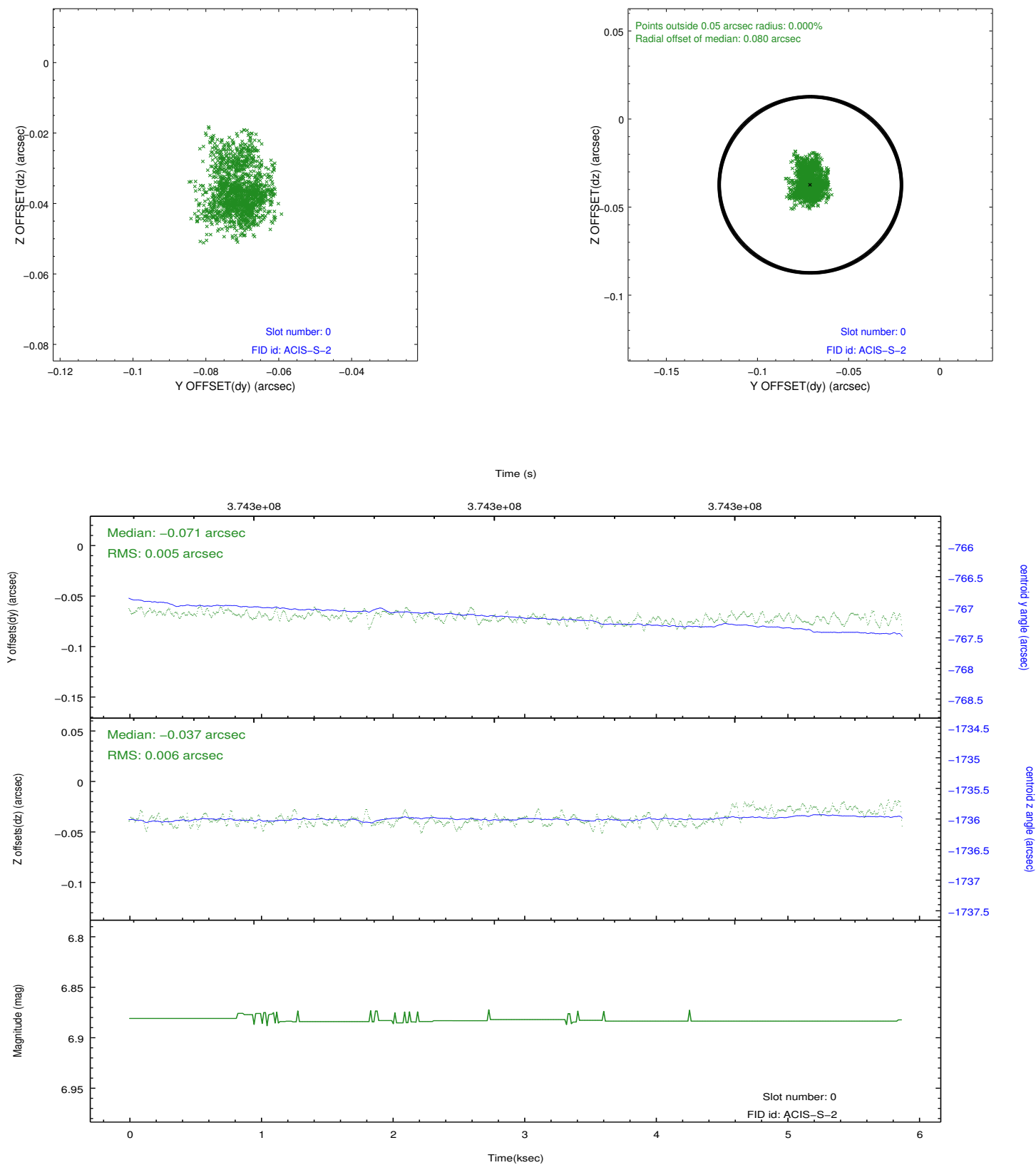


2.4.5 Slot 7

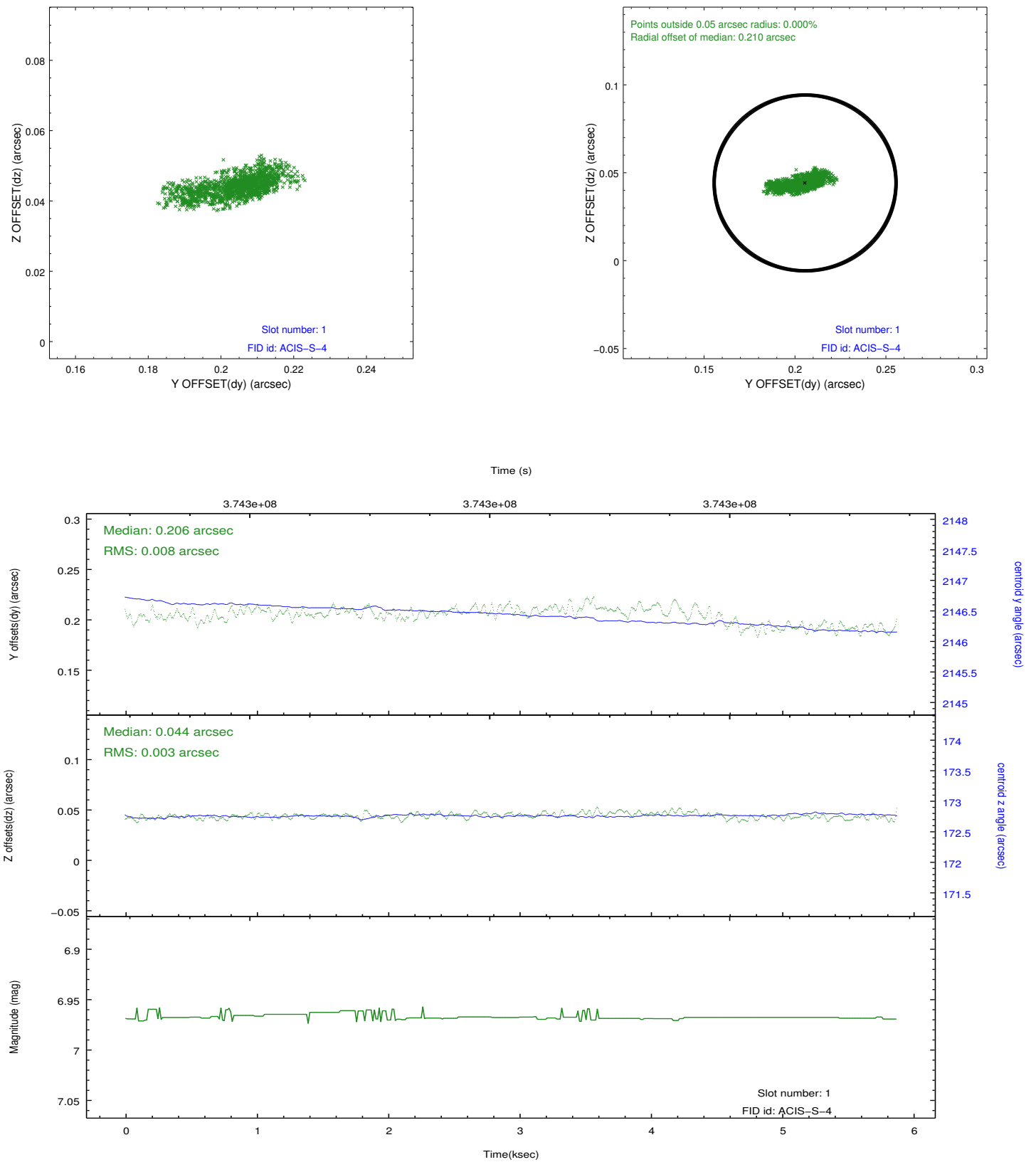


2.5 FID Slots

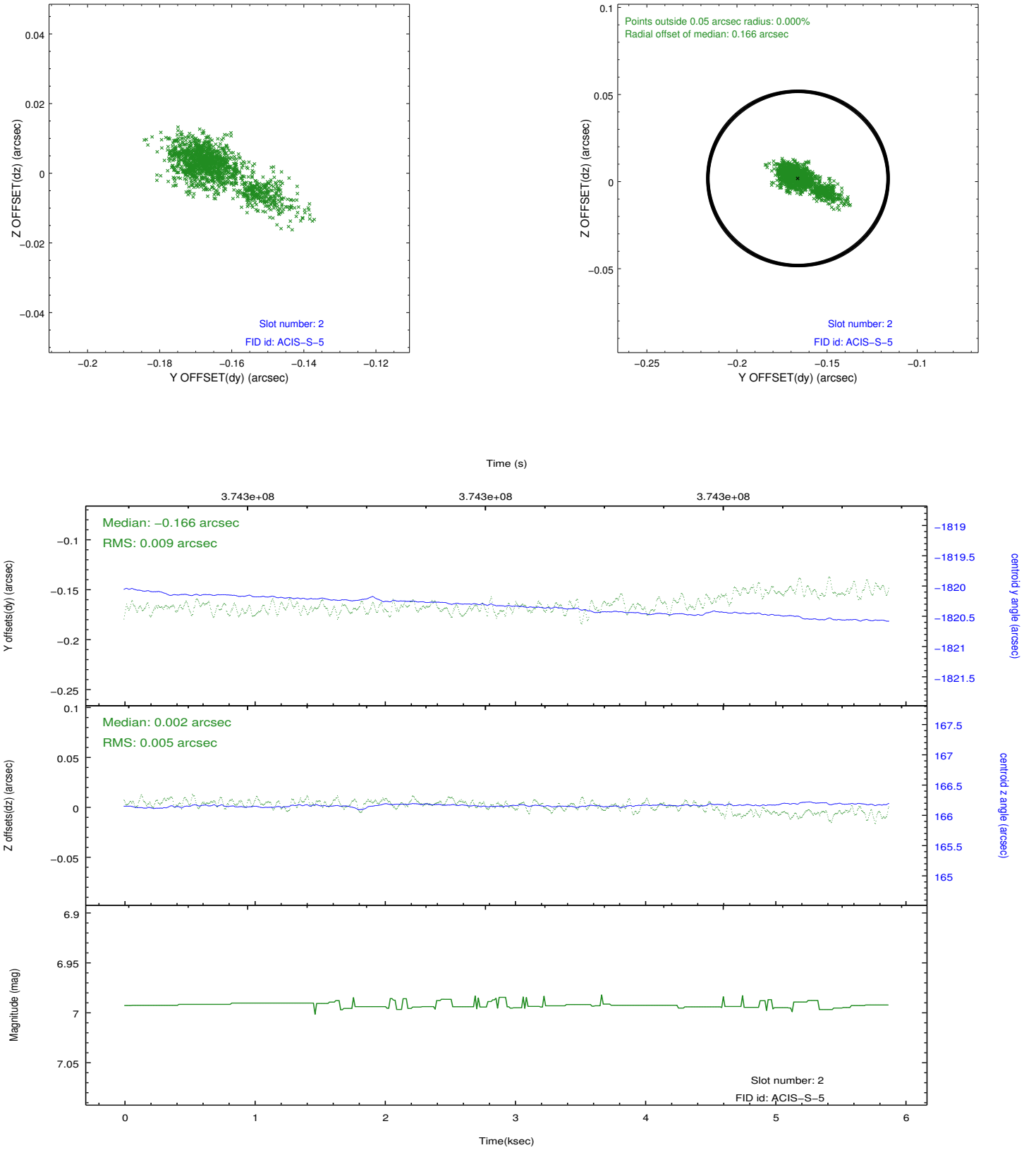
2.5.1 Slot 0



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)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7663038899302

A.2 Comments