

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10504 - L2 Version 2
Chandra X-Ray Center

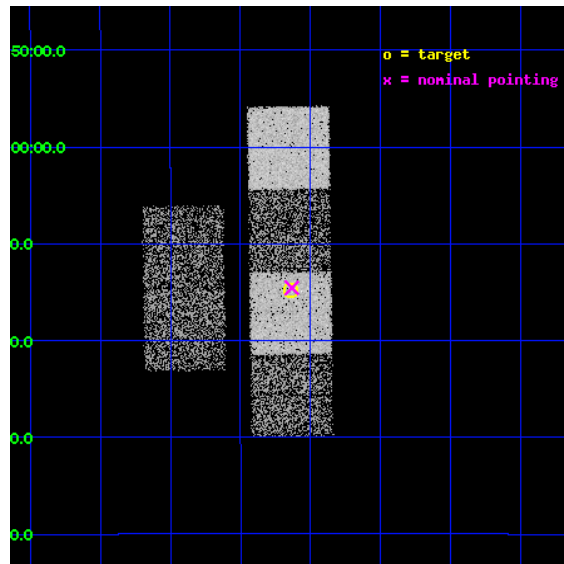
L2 Processing Date : Jun 1 2012

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1 Front

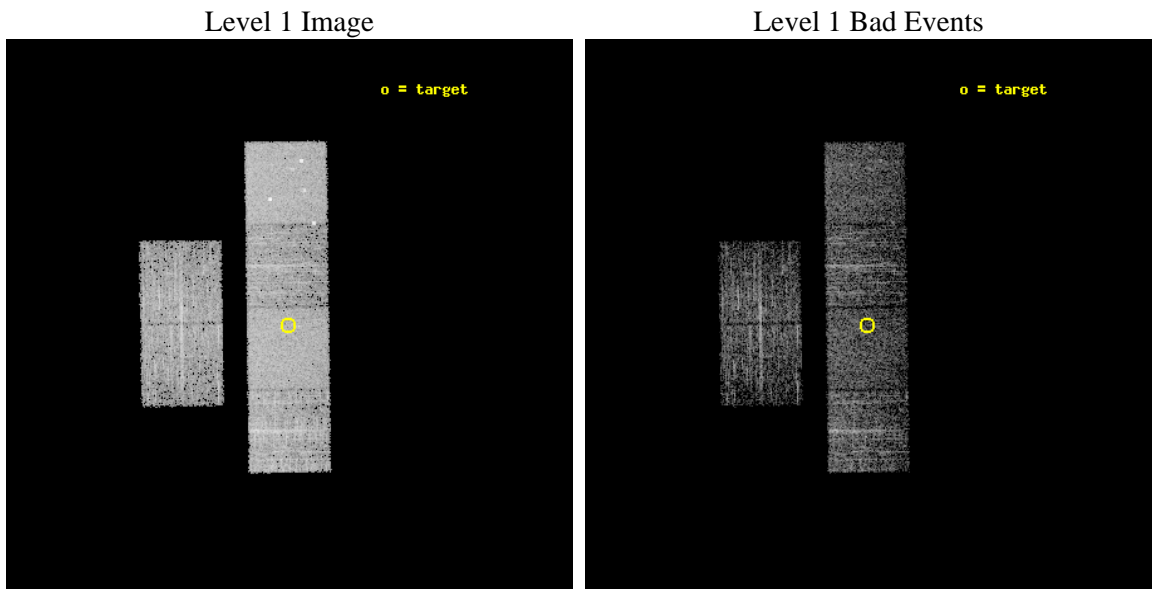
seq_num	900872	Sequence number
obs_id	10504	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J182538-1214	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	276.410833	Observer's specified target RA [deg]
dec_targ	-12.247	Observer's specified target Dec [deg]
ra_nom	276.40824287094	Nominal RA [deg]
dec_nom	-12.242767797466	Nominal Dec [deg]
roll_nom	89.212324292656	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2299.8041898012	Sum of GTIs [s]
livetime	2270.6826843741	Livetime [s]
ontime2	2299.8452298045	Sum of GTIs [s]
ontime3	2299.6810697913	Sum of GTIs [s]
ontime5	2299.7631497979	Sum of GTIs [s]
ontime6	2299.7221097946	Sum of GTIs [s]
ontime7	2299.8041898012	Sum of GTIs [s]
ontime8	2299.640029788	Sum of GTIs [s]
l2events	40883	Number of level 2 events



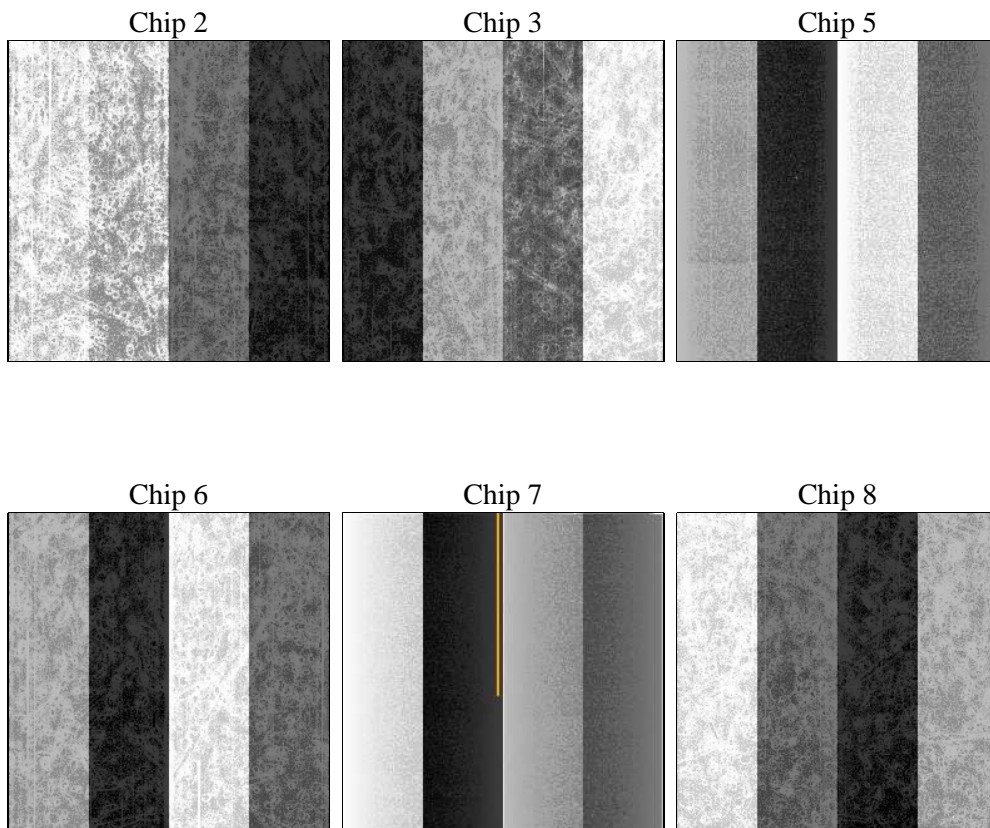
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2299.8041898012	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2299.8452298045	Sum of GTIs [s]
date	2012-06-02T00:11:29	Date and time of file creation	ontime3	2299.6810697913	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2299.7631497979	Sum of GTIs [s]
			ontime6	2299.7221097946	Sum of GTIs [s]
			ontime7	2299.8041898012	Sum of GTIs [s]
			ontime8	2299.640029788	Sum of GTIs [s]
			l1events	171751	Number of level 1 events

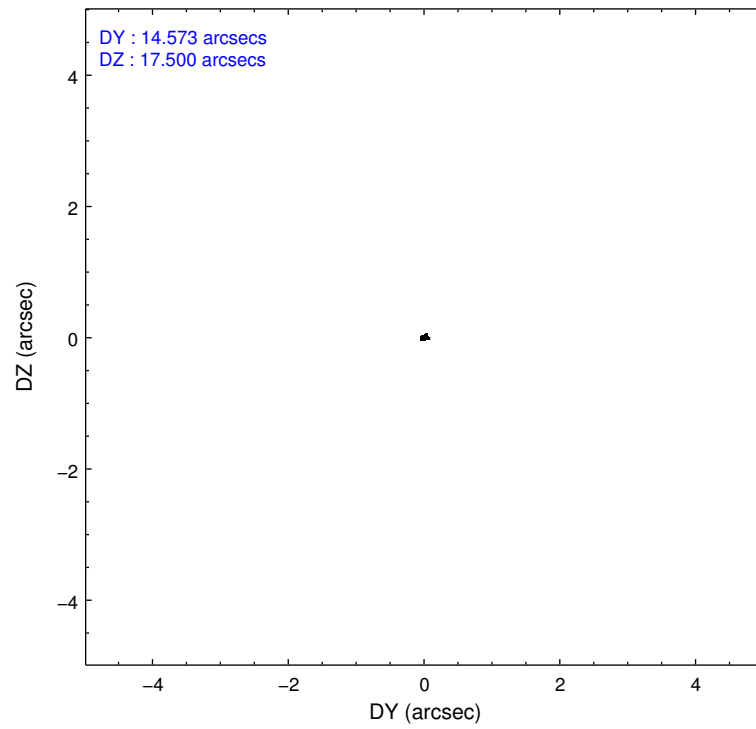
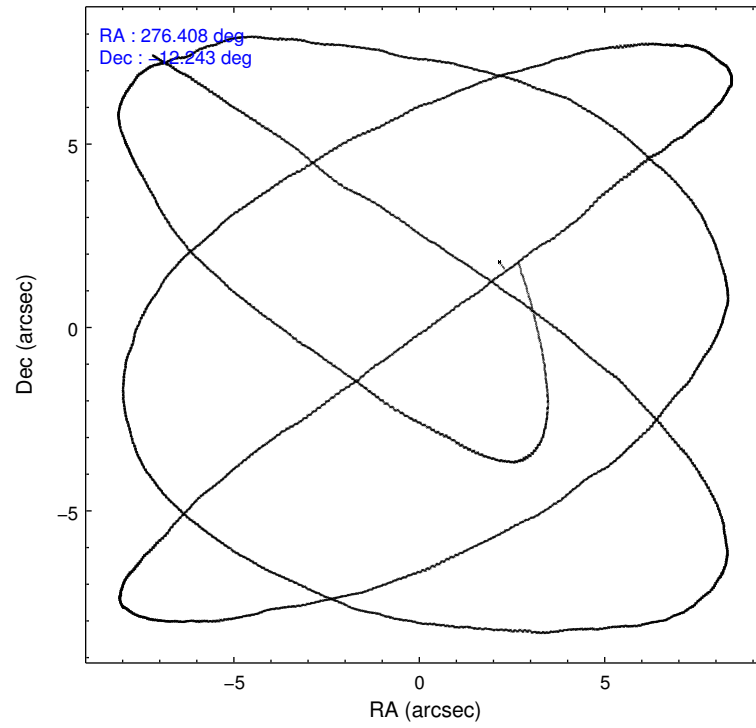
2.1.4 Events

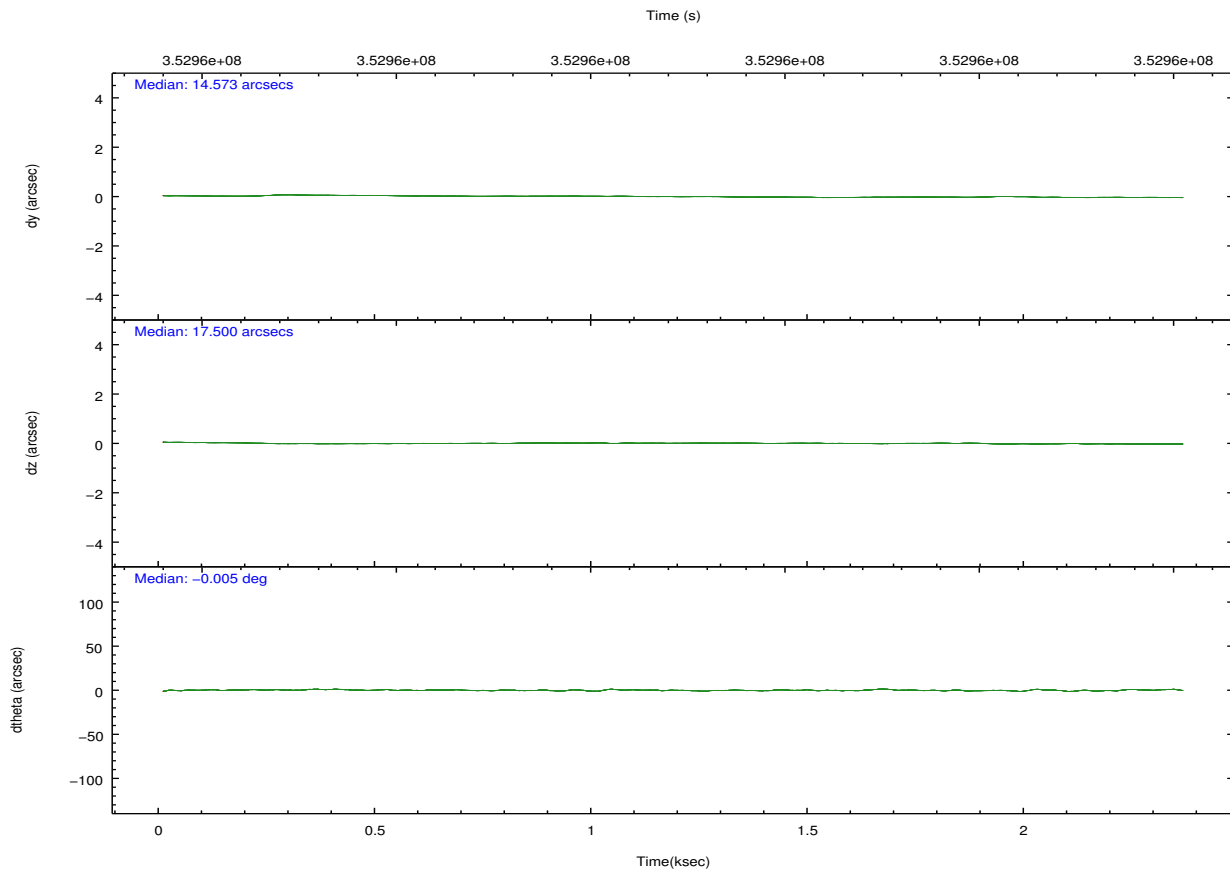
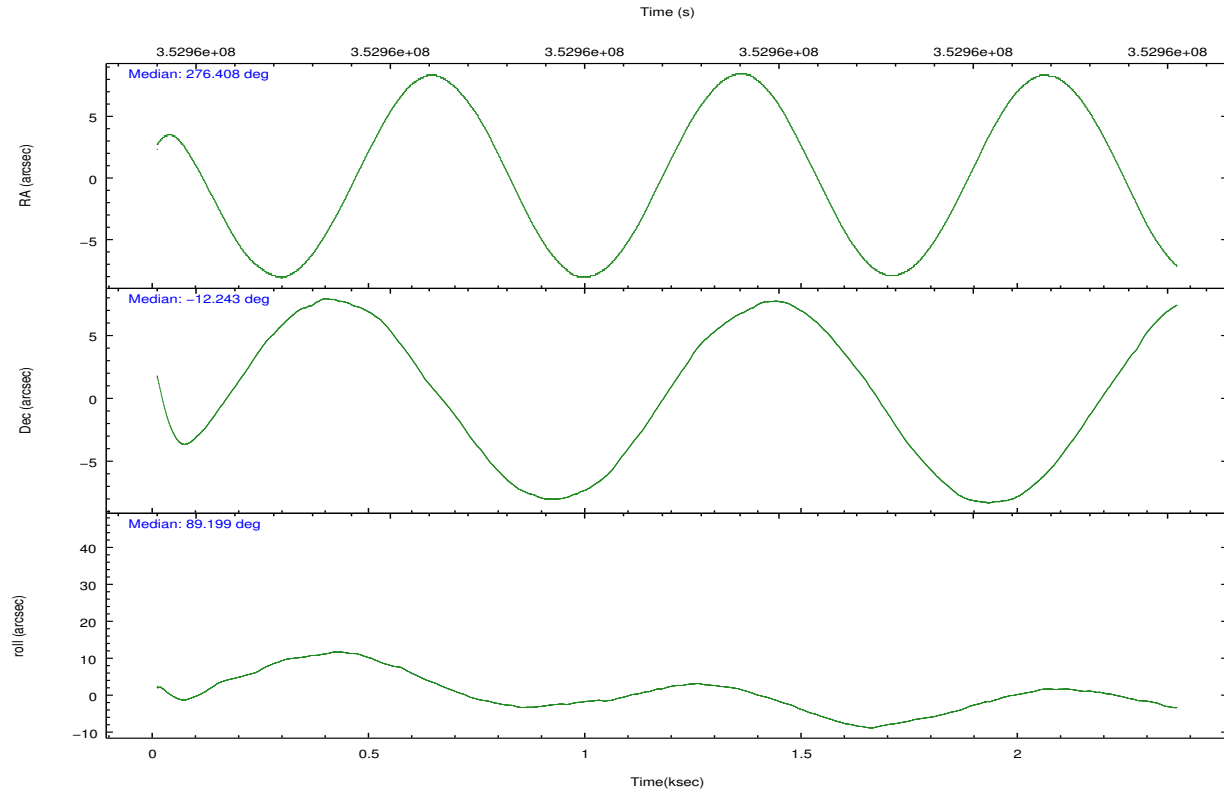
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23720	22334	37995	23521	33339	30842	grade 0 events	1301	1385	2284	1187	1258	2283
rejected events	20743	19301	19853	20622	19057	23746		5%	6%	6%	5%	3%	7%
rejected %	87%	86%	52%	87%	57%	76%	grade 1 events	15	11	136	21	41	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	644	604	5563	633	2897	1617
								2%	2%	14%	2%	8%	5%
							grade 3 events	290	282	628	263	1159	695
								1%	1%	1%	1%	3%	2%
							grade 4 events	294	257	589	243	1242	660
								1%	1%	1%	1%	3%	2%
							grade 5 events	954	1108	2573	1093	3163	1520
								4%	4%	6%	4%	9%	4%
							grade 6 events	455	506	9102	583	7745	1848
								1%	2%	23%	2%	23%	5%
							grade 7 events	19767	18181	17120	19498	15834	22197
								83%	81%	45%	82%	47%	71%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	276.422276	276.4082428709403	CCD I2 on	O2	Y
[deg] Pointing Dec	-12.266525	-12.24276779746602	CCD I3 on	O3	Y
[deg] Pointing Roll	89.058687	89.21232429265555	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	352962698.184000	352961663.79791	CCD S5 on	N	N
Observation start date	2009-03-09T05:10:32	2009-03-09T04:54:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	352964898.184000	352965662.32311	On-chip summing requested	N	N
Observation end date	2009-03-09T05:47:12	2009-03-09T06:01:02	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



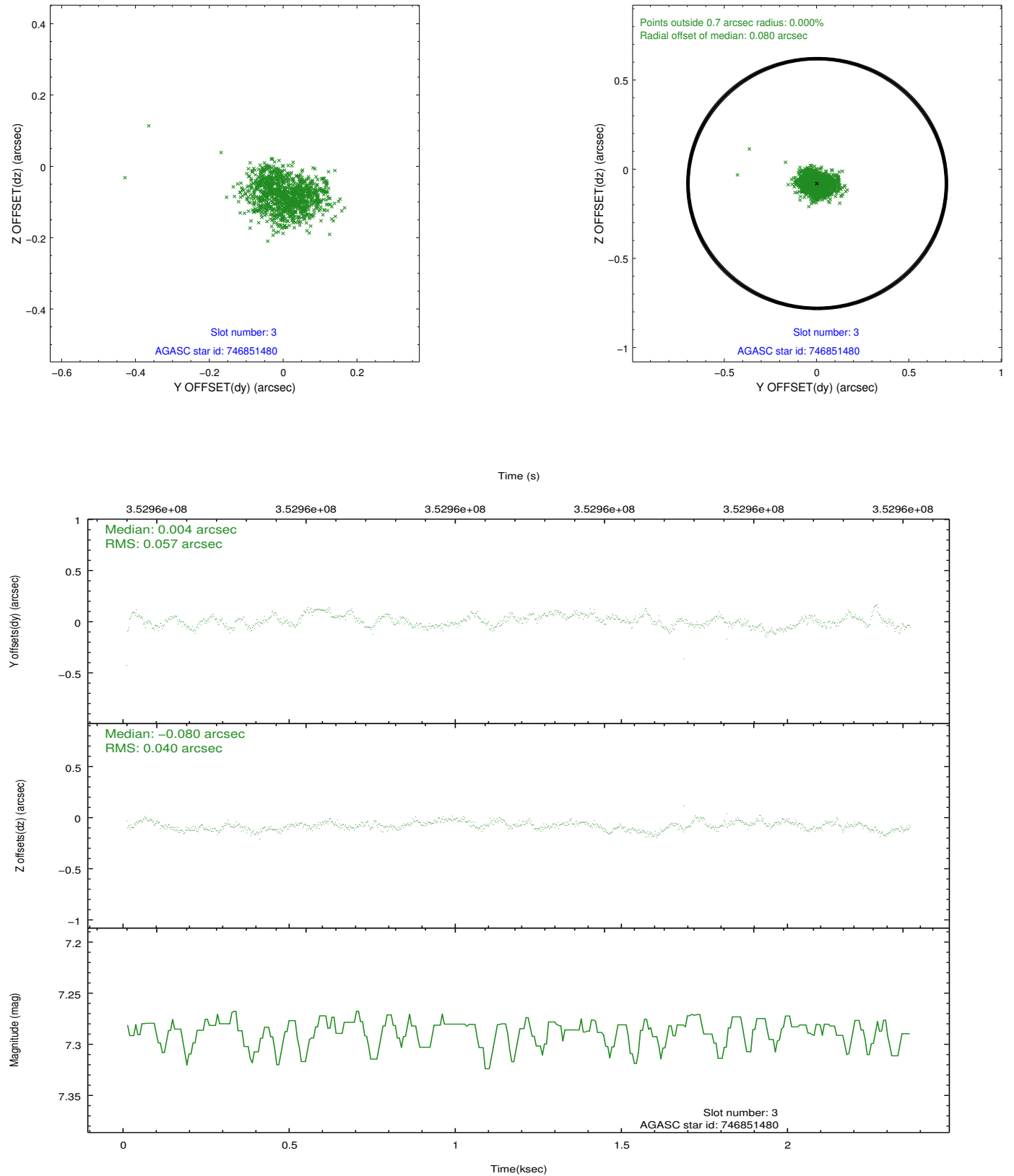


Slot Statistics

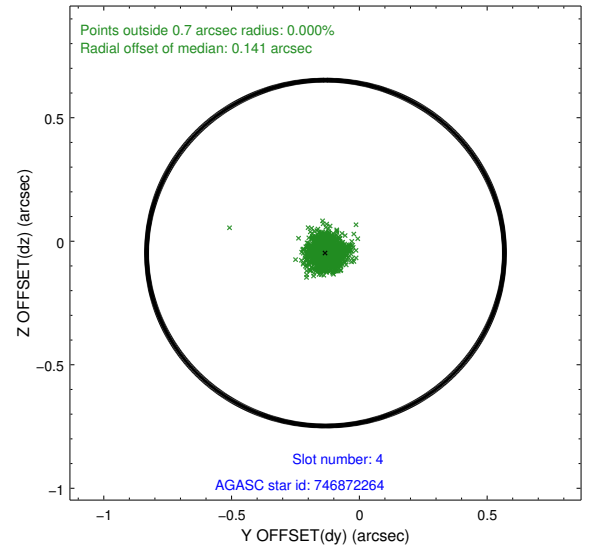
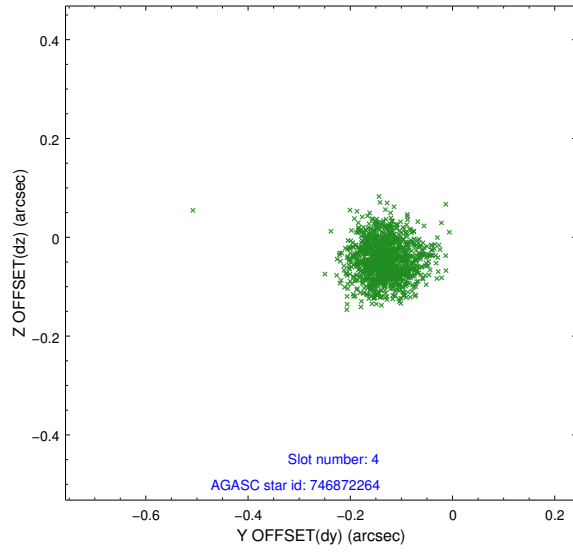
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	576	-0.013	-0.012	0.006	0.012	0.000000	0.000000	928.46	-1734.55
1	FID	ACIS-S-4	6.97	576	0.047	0.000	0.006	0.009	0.000000	0.000000	2147.47	166.76
2	FID	ACIS-S-6	7.11	576	-0.057	0.023	0.006	0.011	0.000000	0.000000	397.91	807.28
3	GUIDE	746851480	7.29	1151	0.004	-0.080	0.073	0.115	275.998802	-12.584966	-1172.27	1468.64
4	GUIDE	746872264	7.44	1151	-0.133	-0.048	0.058	0.092	276.174051	-12.475071	-766.82	861.26
5	GUIDE	746876560	9.23	1150	0.137	0.083	0.083	0.135	276.166679	-12.675099	-1486.71	874.02
6	GUIDE	746883888	7.67	1151	-0.094	-0.317	0.073	0.124	275.829811	-12.300383	-160.33	2082.14
7	GUIDE	746861512	9.69	1148	0.085	0.356	0.137	0.219	276.851264	-12.546039	-982.29	-1521.83

2.4 Star Slots

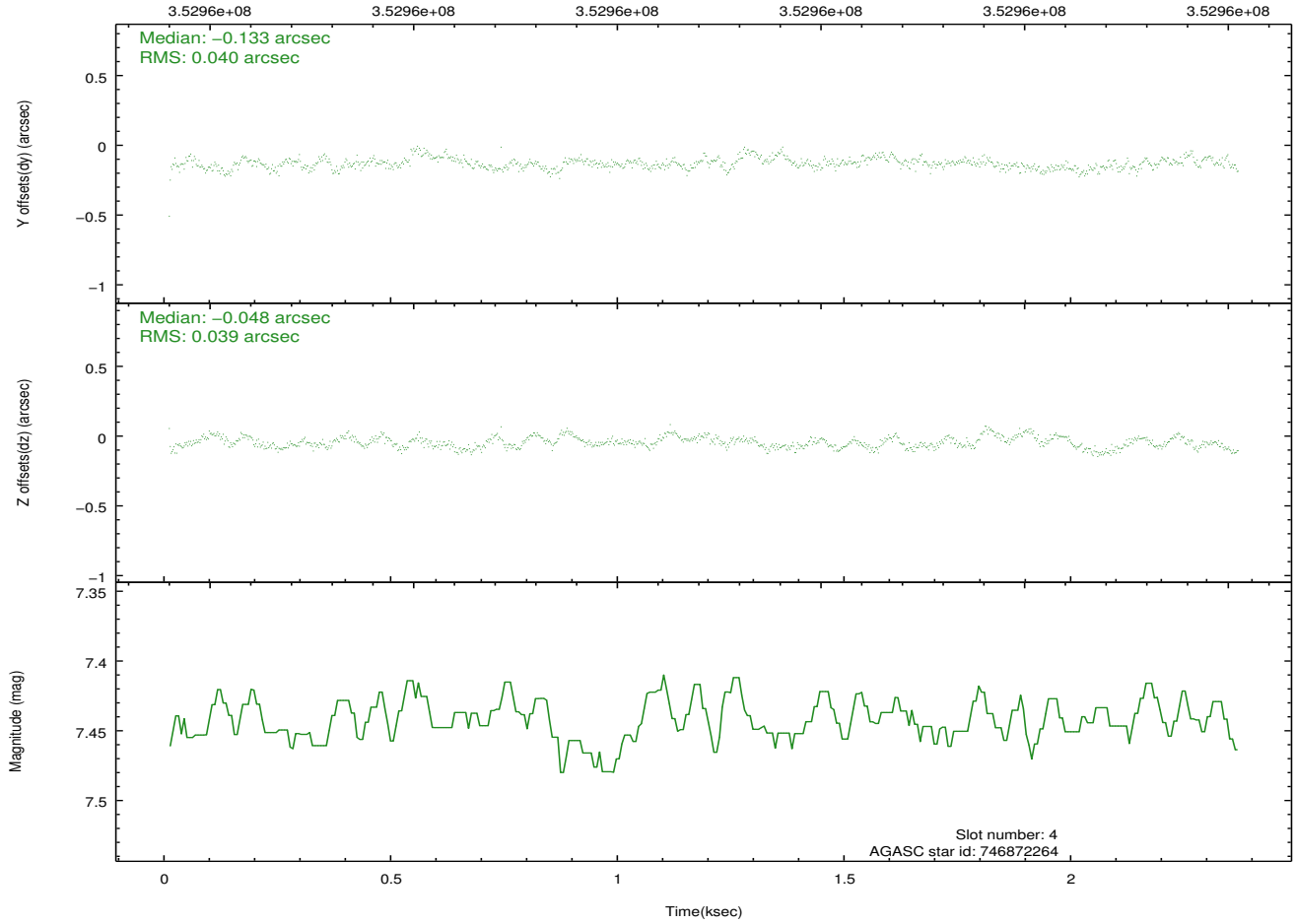
2.4.1 Slot 3



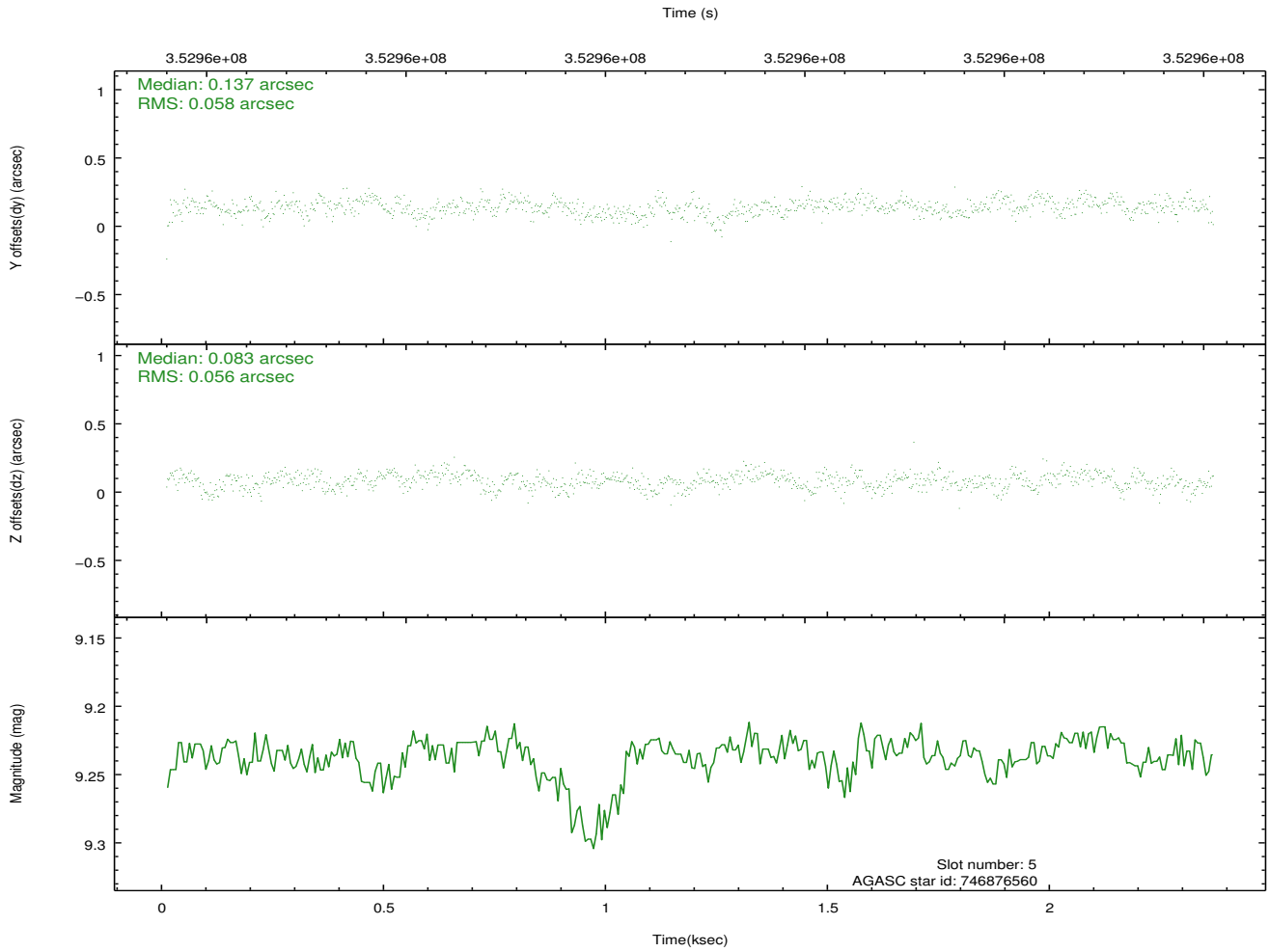
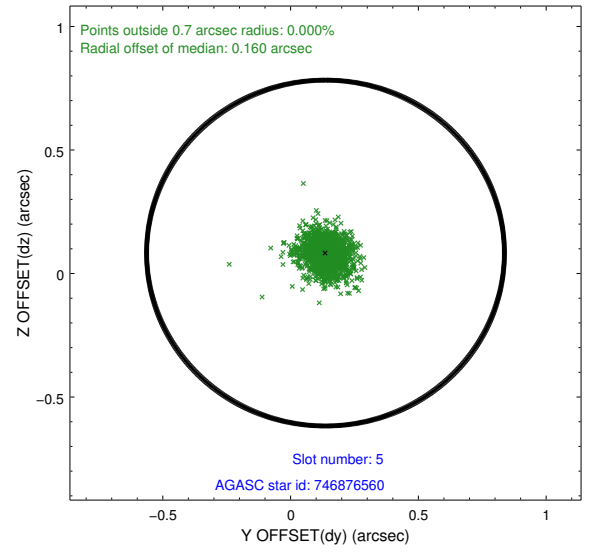
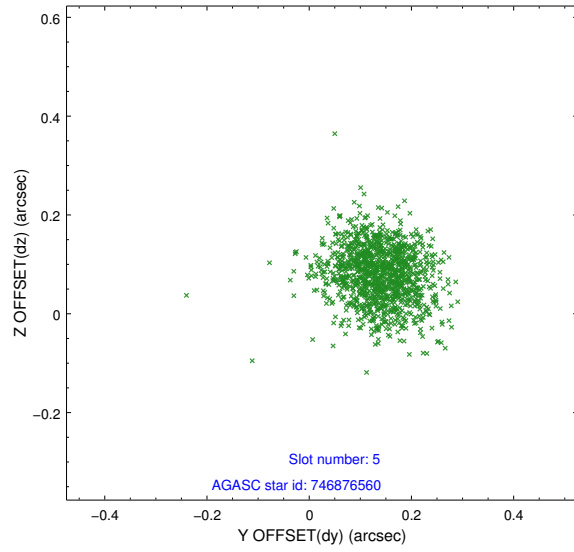
2.4.2 Slot 4



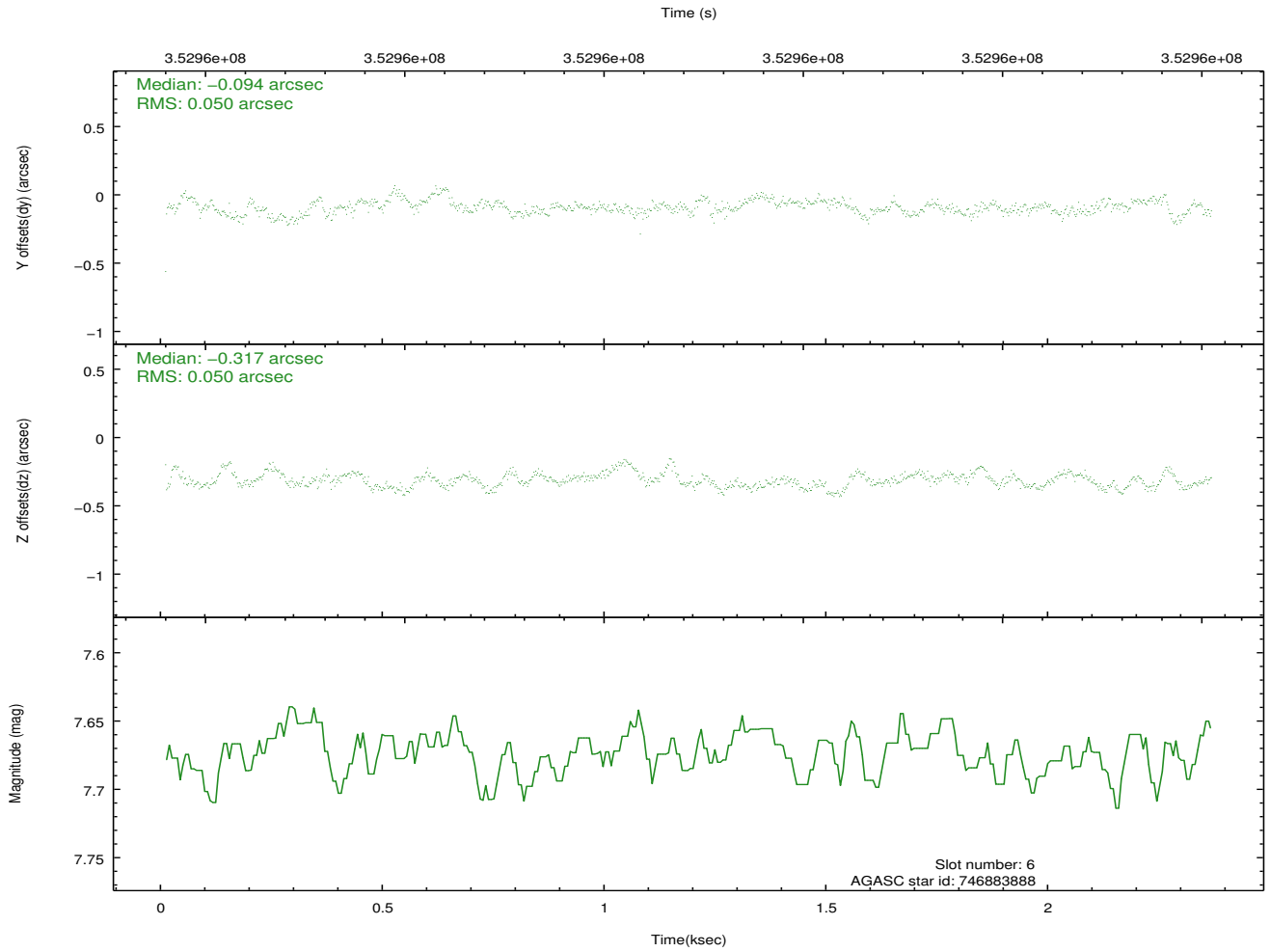
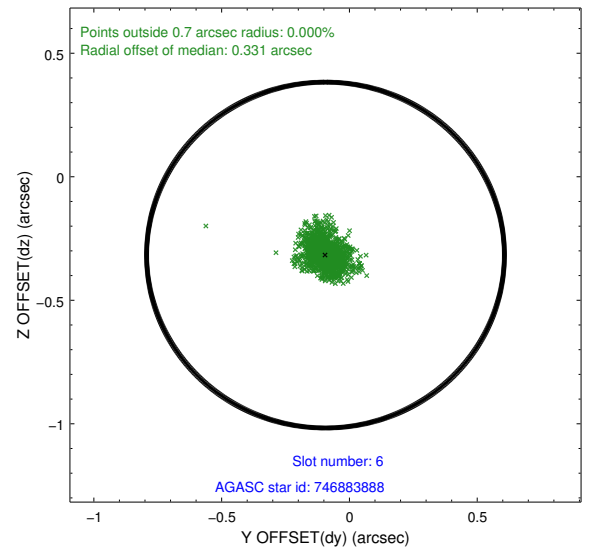
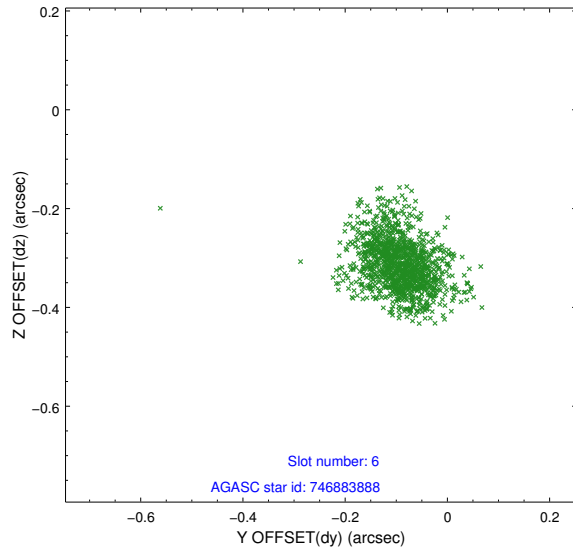
Time (s)



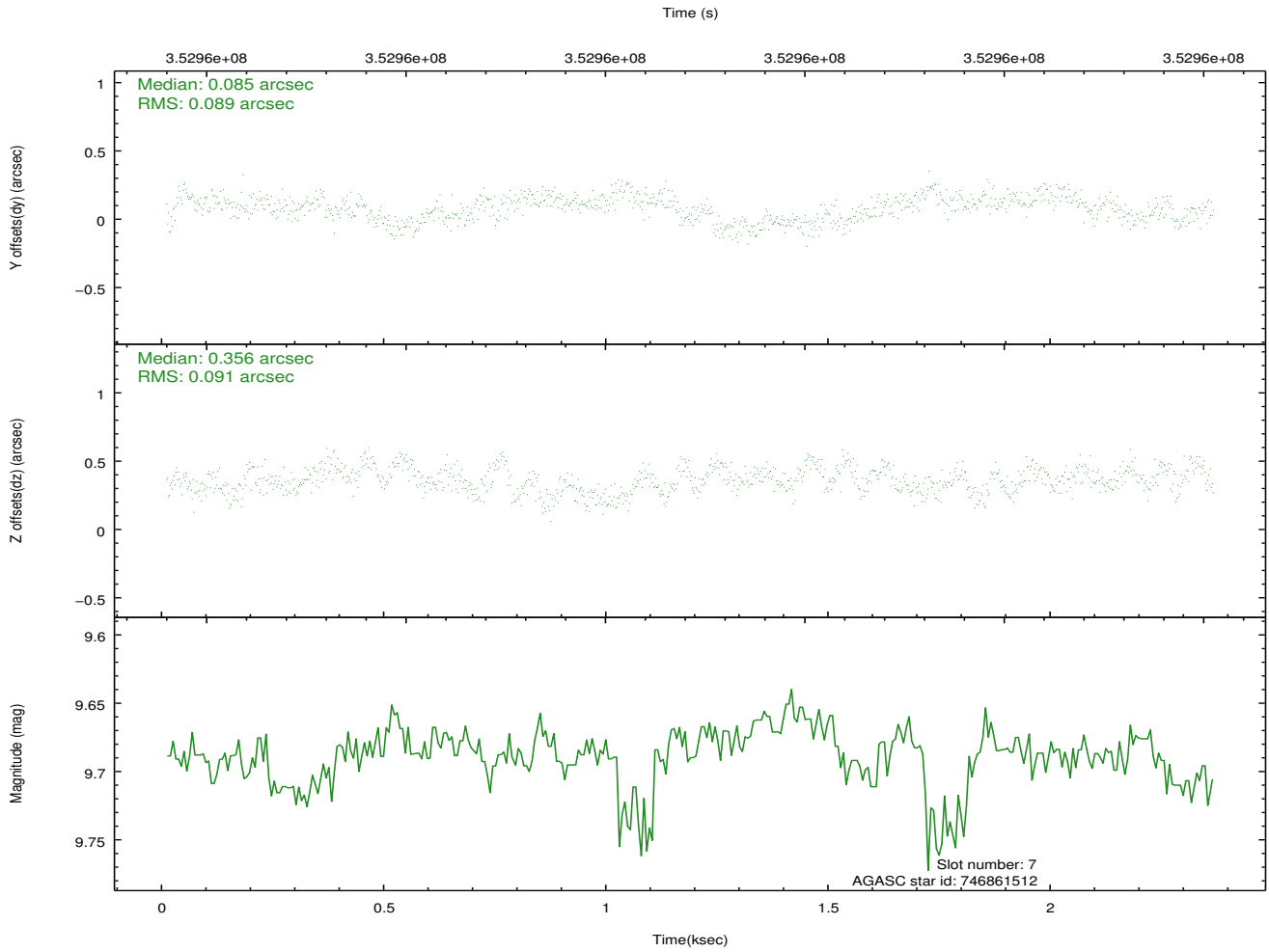
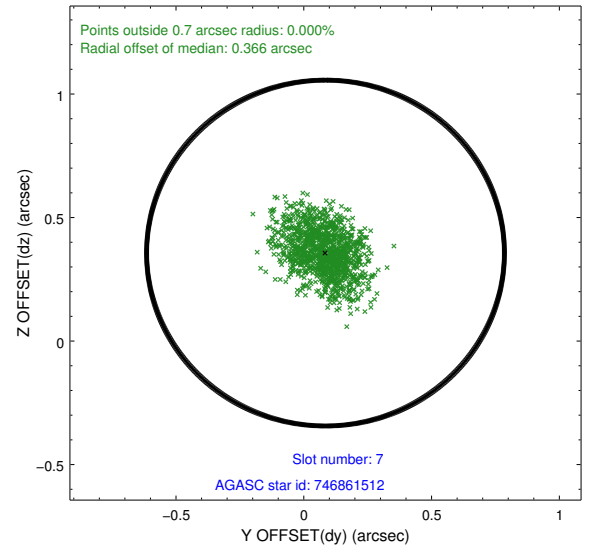
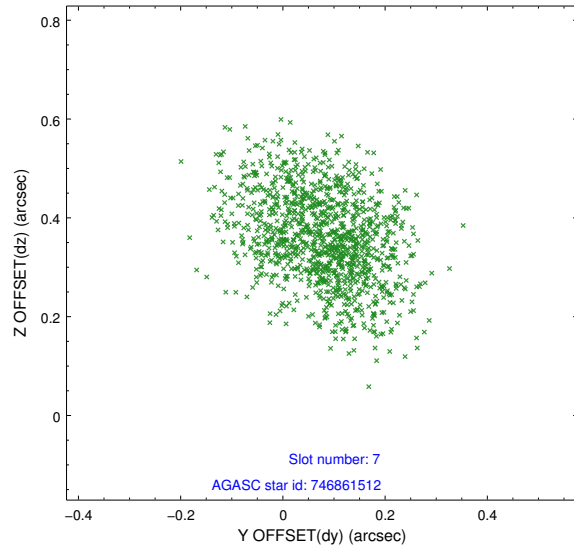
2.4.3 Slot 5



2.4.4 Slot 6

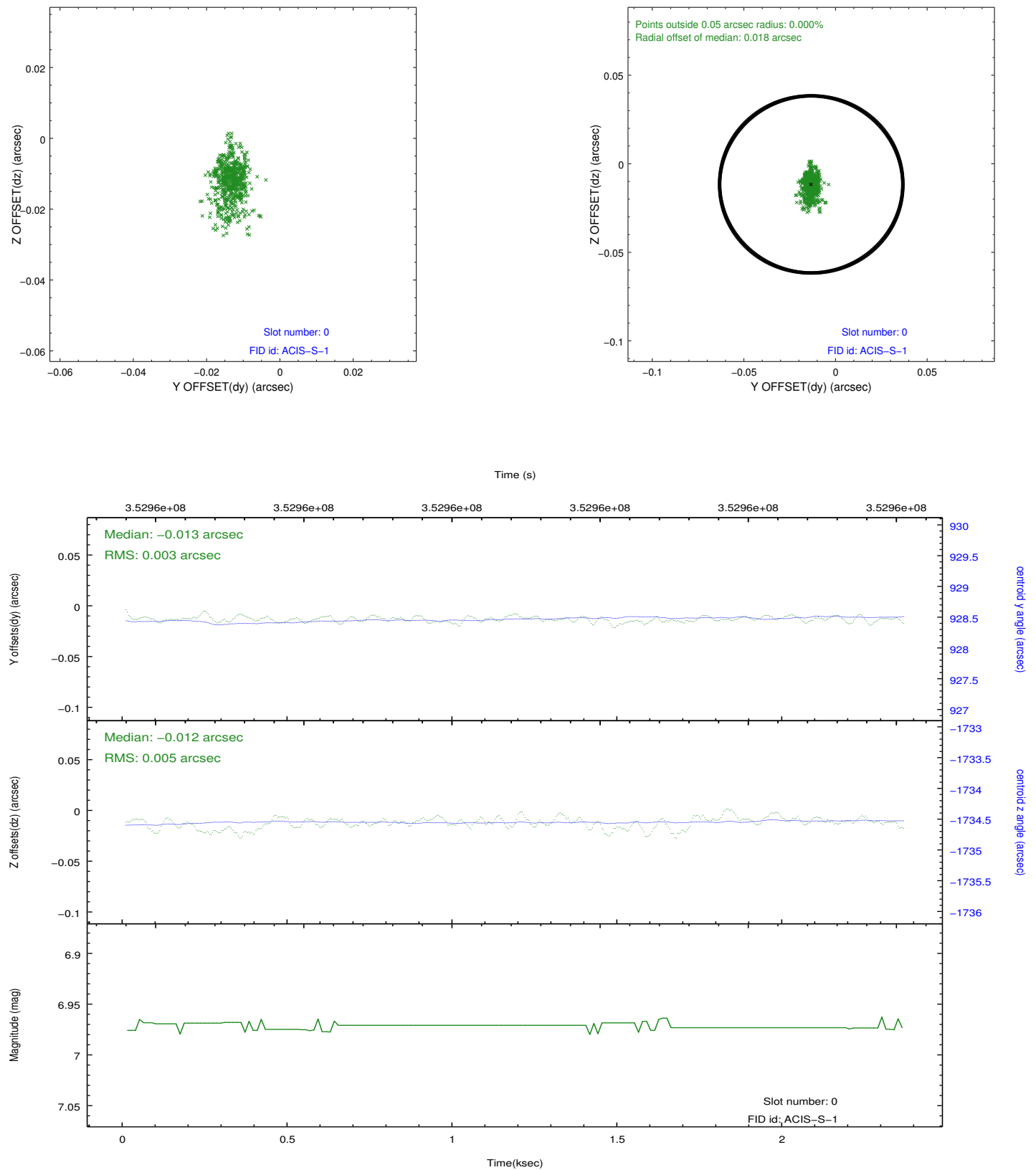


2.4.5 Slot 7

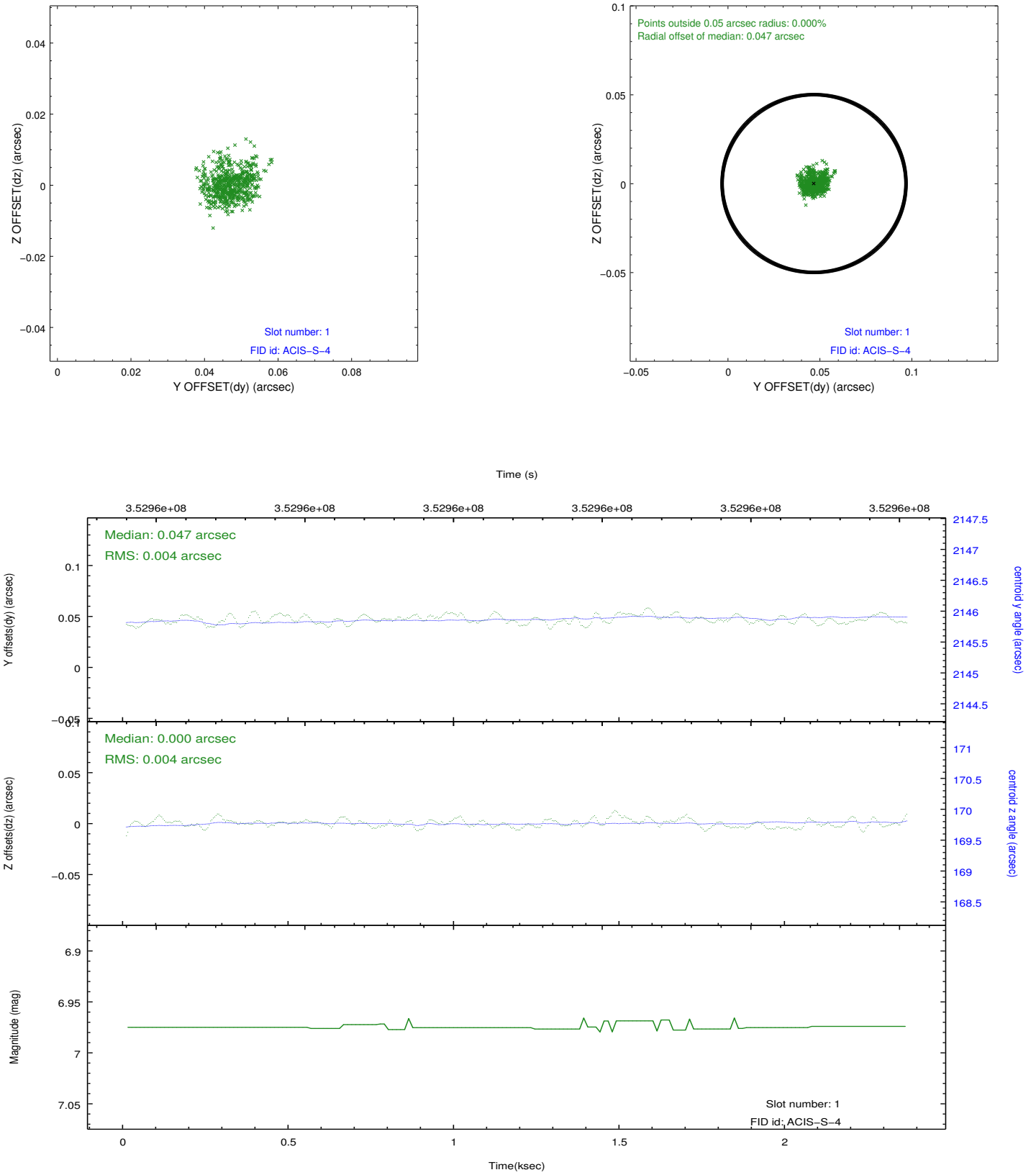


2.5 FID Slots

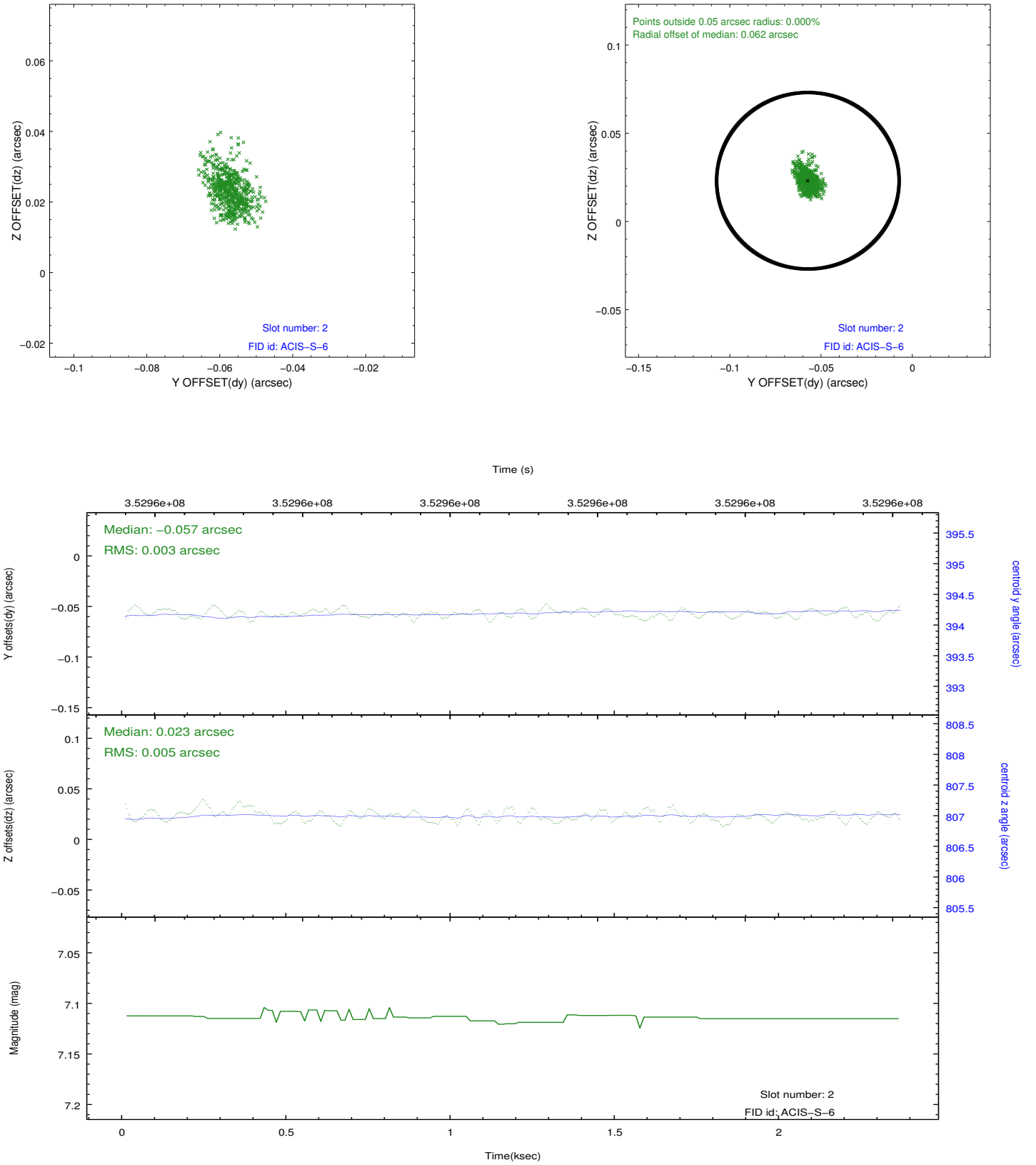
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.30079999

A.2 Comments