

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8549 - L2 Version 3
Chandra X-Ray Center

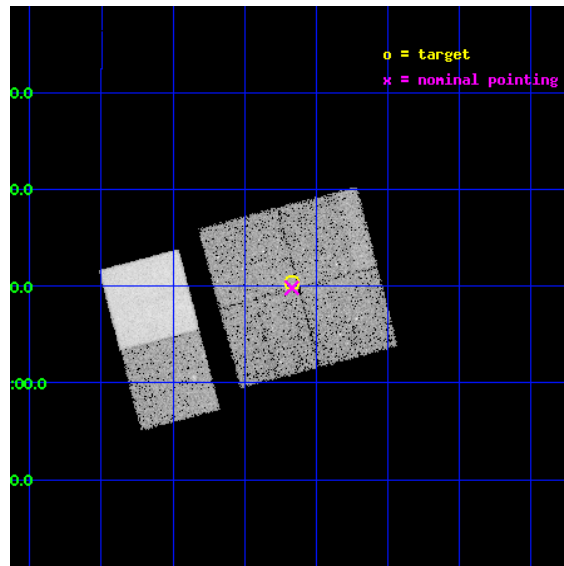
L2 Processing Date : Apr 24 2012

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1 Front

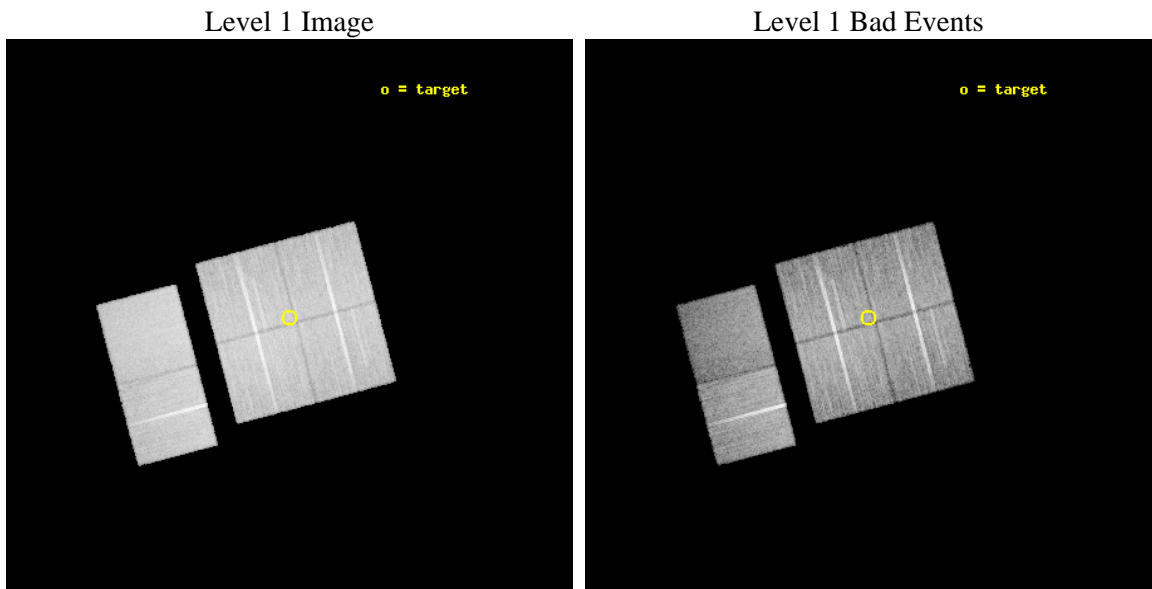
seq_num	900665	Sequence number
obs_id	8549	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS3-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.292017	Observer's specified target RA [deg]
dec_targ	2.171831	Observer's specified target Dec [deg]
ra_nom	150.29236507901	Nominal RA [deg]
dec_nom	2.1637260949313	Nominal Dec [deg]
roll_nom	255.20869770738	Nominal Roll [deg]
revision	3	Processing version of data
ontime	18041.599932849	Sum of GTIs [s]
livetime	17813.146331152	Livetime [s]
ontime0	18038.249459028	Sum of GTIs [s]
ontime1	18041.531509221	Sum of GTIs [s]
ontime2	18038.331558943	Sum of GTIs [s]
ontime3	18041.599932849	Sum of GTIs [s]
ontime6	18041.599932849	Sum of GTIs [s]
ontime7	18041.599932849	Sum of GTIs [s]
l2events	131126	Number of level 2 events



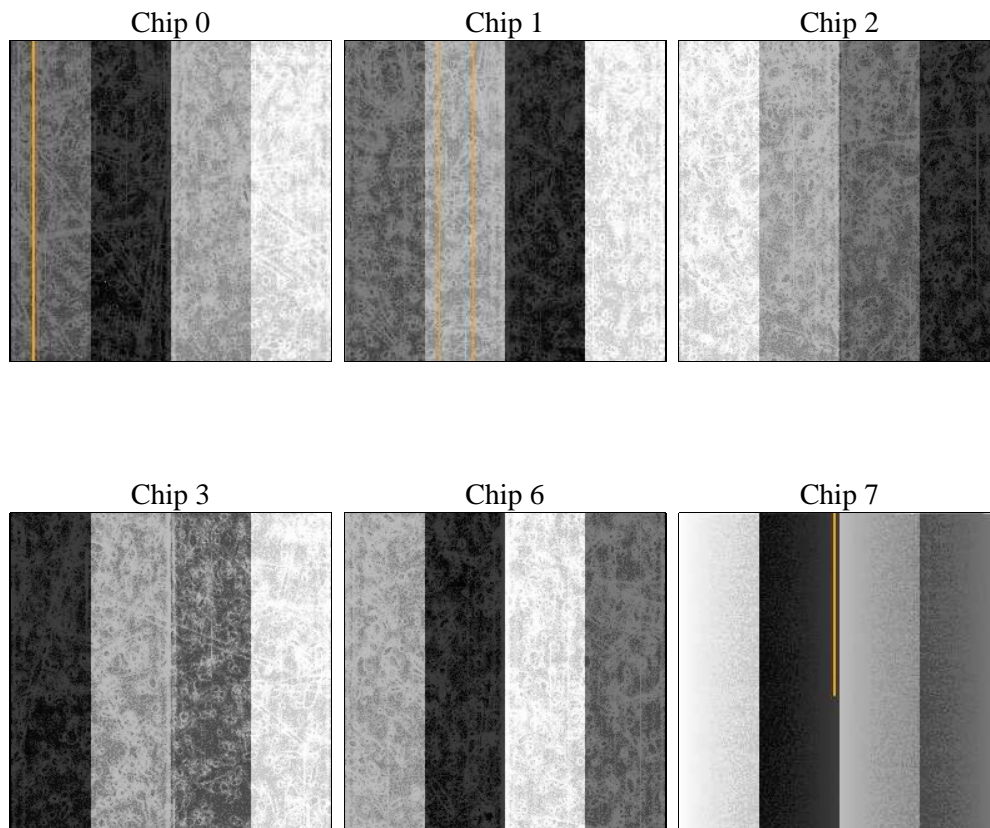
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18041.599932849	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	18038.249459028	Sum of GTIs [s]
date	2012-04-24T09:33:08	Date and time of file creation	ontime1	18041.531509221	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	18038.331558943	Sum of GTIs [s]
			ontime3	18041.599932849	Sum of GTIs [s]
			ontime6	18041.599932849	Sum of GTIs [s]
			ontime7	18041.599932849	Sum of GTIs [s]
			l1events	897173	Number of level 1 events

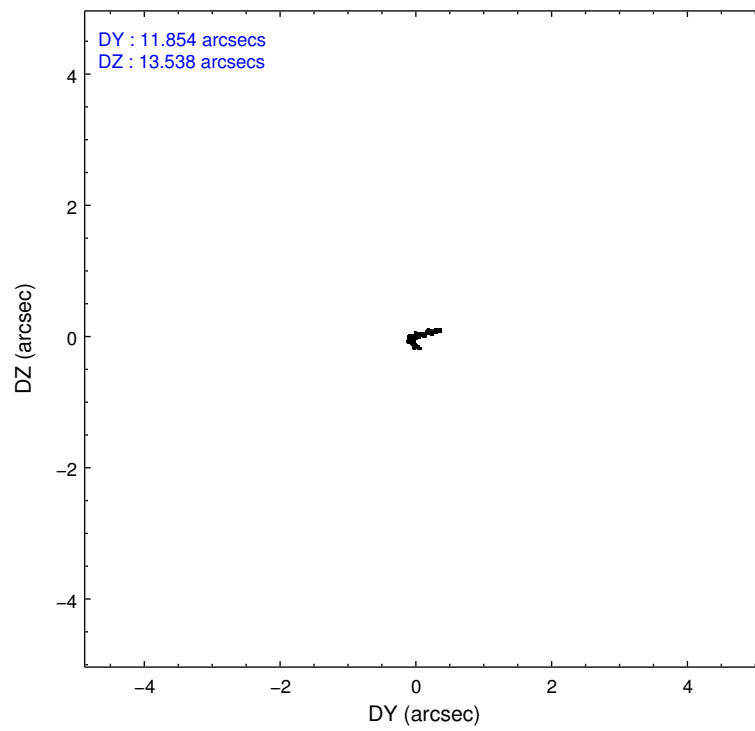
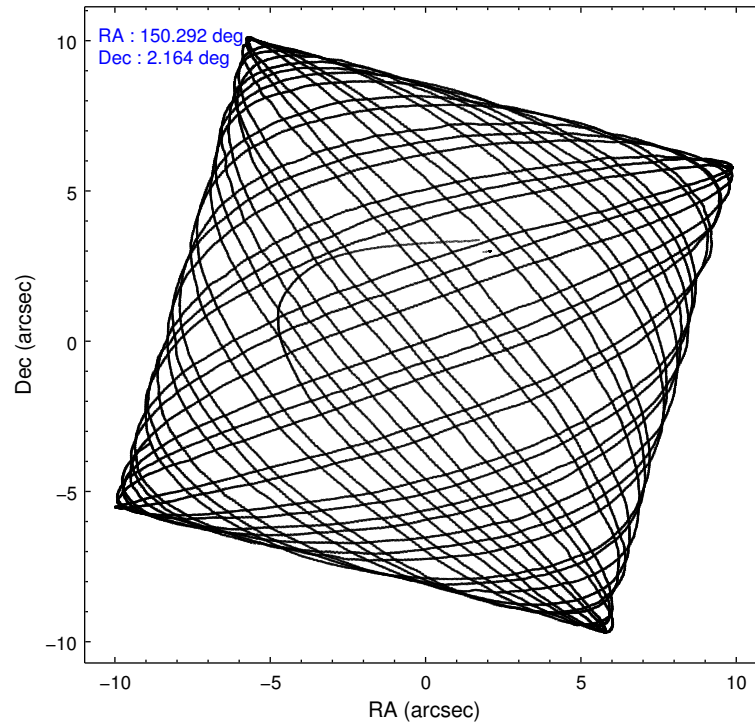
2.1.4 Events

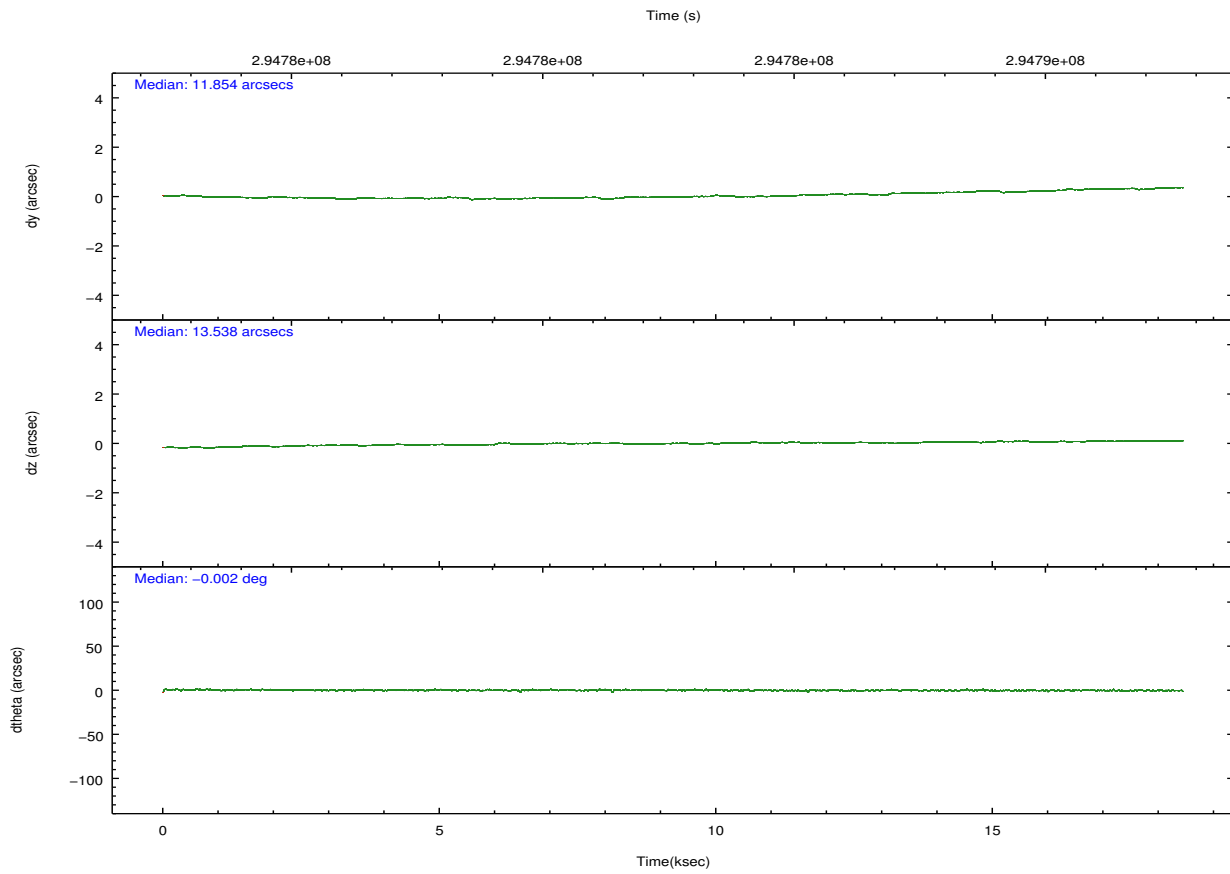
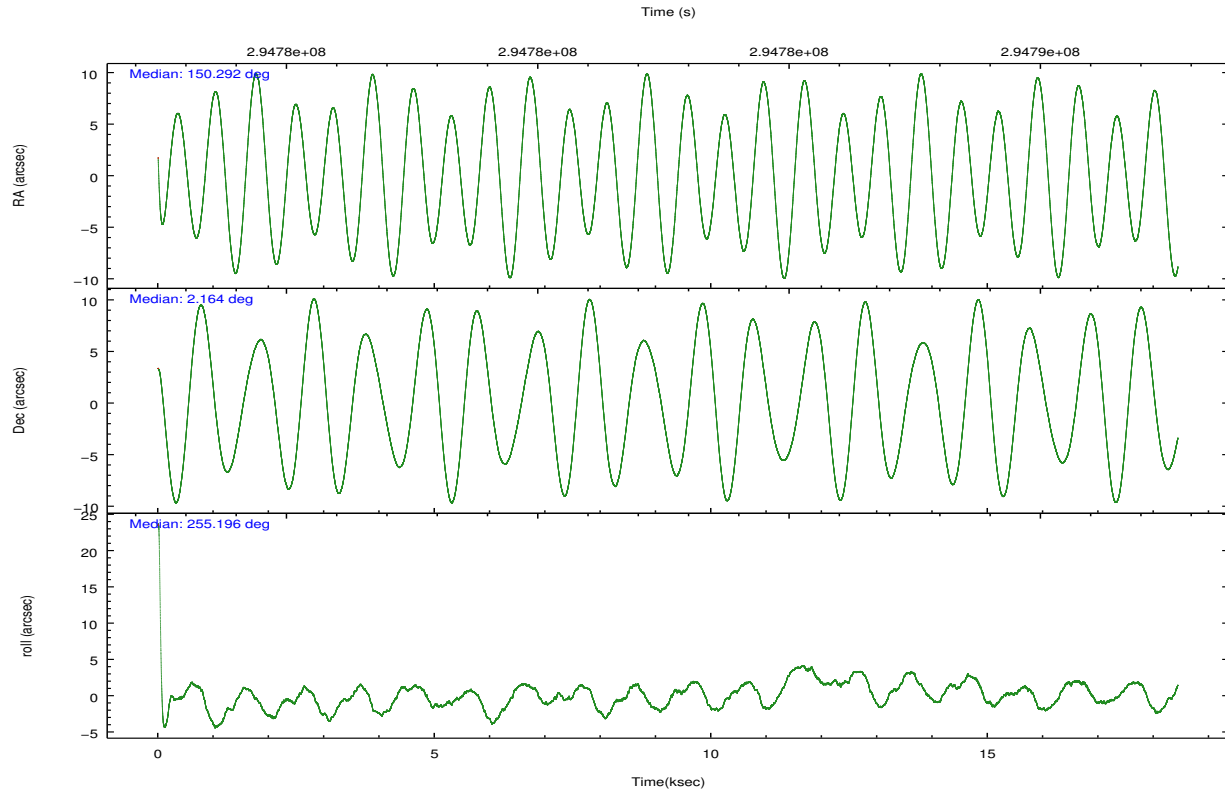
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	140679	138100	156229	146804	154070	161291	grade 0 events	4965	5582	4934	4816	5277	6683
rejected events	126436	122276	142592	133200	138966	88289		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	91%	90%	90%	54%	grade 1 events	76	74	77	88	79	171
								0%	0%	0%	0%	0%	0%
							grade 2 events	3434	3602	3111	2954	3255	14648
								2%	2%	1%	2%	2%	9%
							grade 3 events	1643	1761	1528	1496	1645	6600
								1%	1%	0%	1%	1%	4%
							grade 4 events	1481	1690	1547	1588	1623	6576
								1%	1%	0%	1%	1%	4%
							grade 5 events	4873	5407	4778	5559	5854	16517
								3%	3%	3%	3%	3%	10%
							grade 6 events	2721	3191	2520	2755	3308	38513
								1%	2%	1%	1%	2%	23%
							grade 7 events	121486	116793	137734	127548	133029	71583
								86%	84%	88%	86%	86%	44%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	150.285046	150.2923650790093	CCD I2 on	Y	Y
[deg] Pointing Dec	2.190261	2.16372609493127	CCD I3 on	Y	Y
[deg] Pointing Roll	255.000269	255.2086977073785	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)	294773823.184000	294772692.04241	CCD S5 on	N	N
Observation start date	2007-05-05T17:35:58	2007-05-05T17:18:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	294791823.184000	294792719.51836	On-chip summing requested	N	N
Observation end date	2007-05-05T22:35:58	2007-05-05T22:51:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



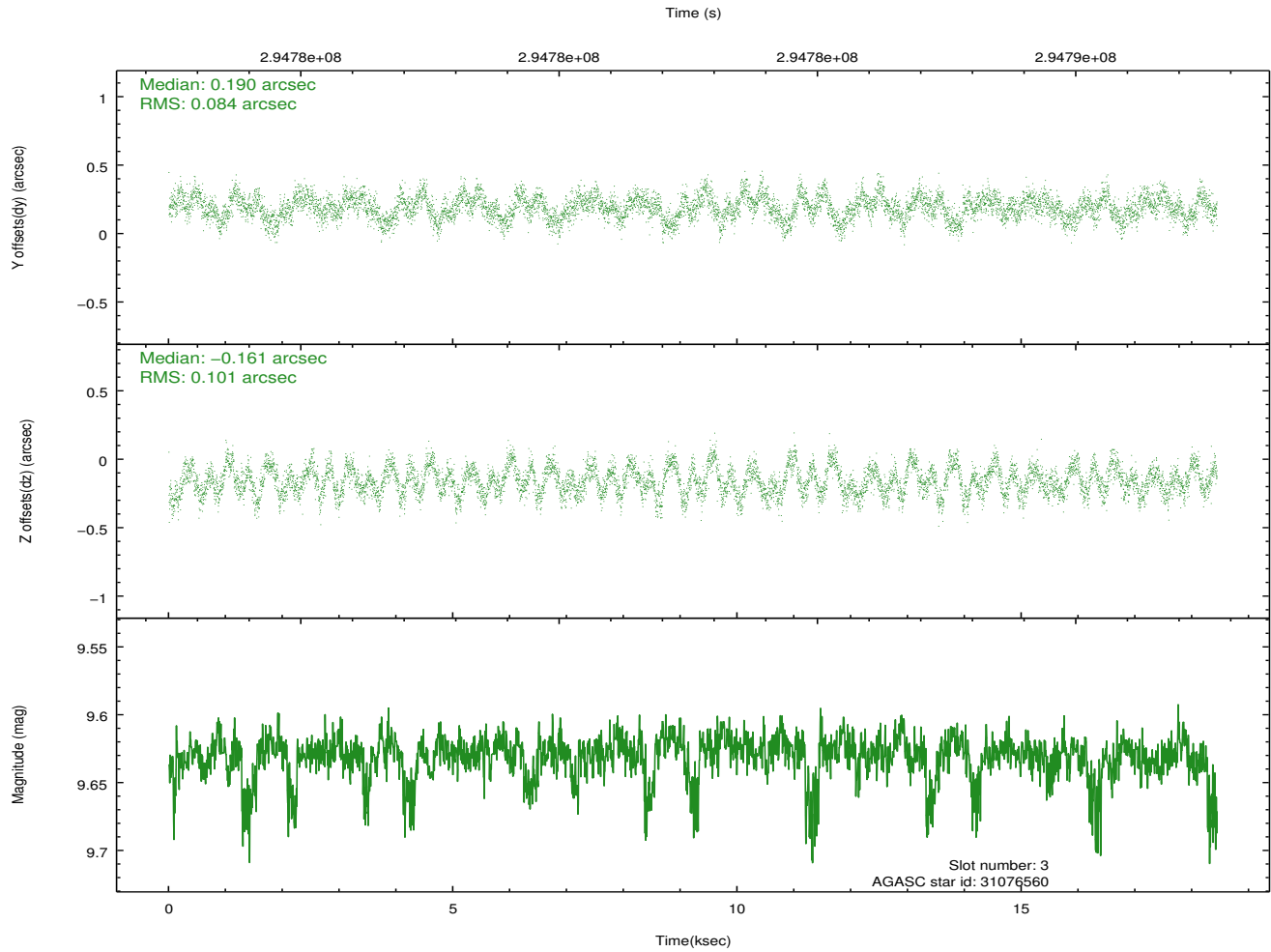
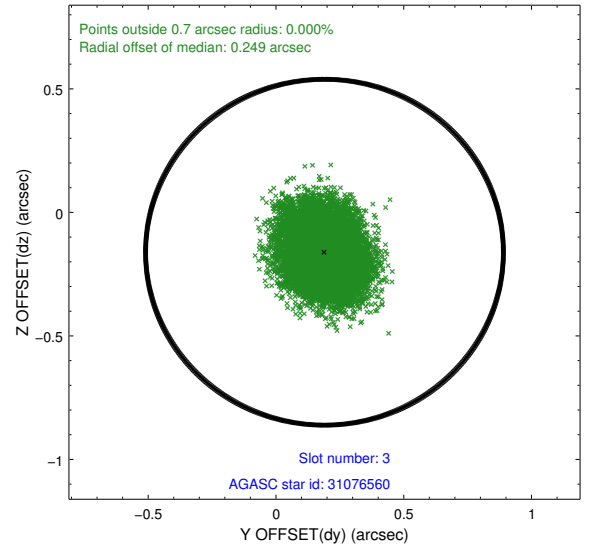
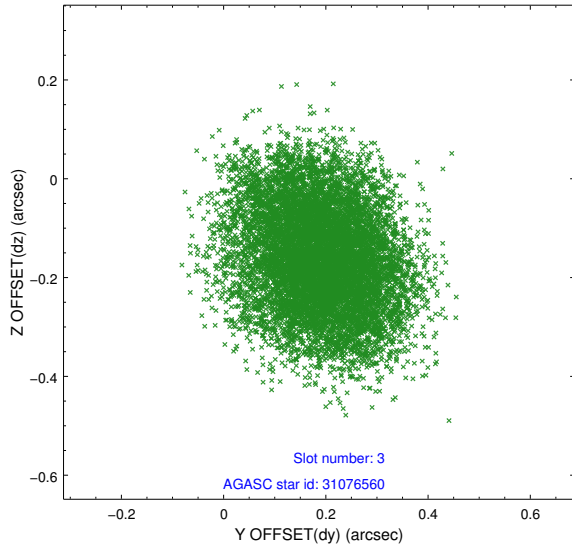


Slot Statistics

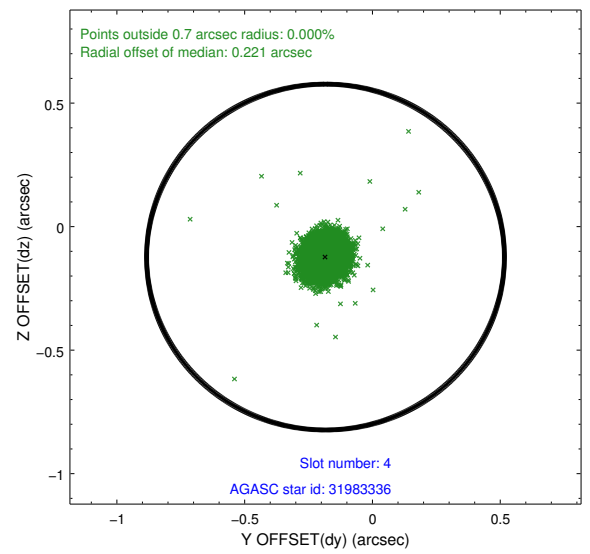
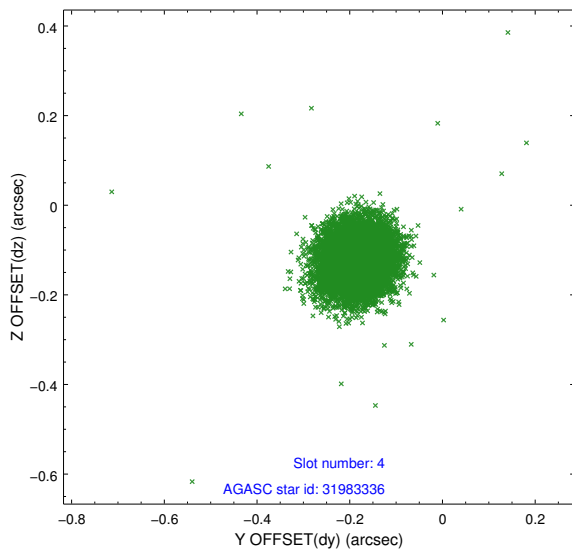
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4498	0.036	0.002	0.006	0.011	0.000000	0.000000	927.68	-837.08
1	FID	ACIS-I-5	7.23	4497	-0.208	0.044	0.006	0.011	0.000000	0.000000	-1820.56	1060.33
2	FID	ACIS-I-6	7.24	4498	0.080	0.024	0.007	0.011	0.000000	0.000000	393.02	1705.07
3	GUIDE	31076560	9.63	8988	0.190	-0.161	0.143	0.220	149.884782	2.009277	1002.71	-1222.03
4	GUIDE	31983336	8.59	8990	-0.184	-0.123	0.063	0.101	150.429924	2.291234	-486.08	409.07
5	GUIDE	31985760	8.46	8993	-0.042	0.007	0.088	0.137	150.924581	2.094394	-262.89	2311.62
6	GUIDE	31986152	9.01	8981	0.182	0.228	0.099	0.159	150.840314	2.057585	-56.06	2053.43
7	GUIDE	32374896	9.22	8981	-0.150	0.046	0.095	0.151	150.682269	2.512794	-1491.66	1079.56

2.4 Star Slots

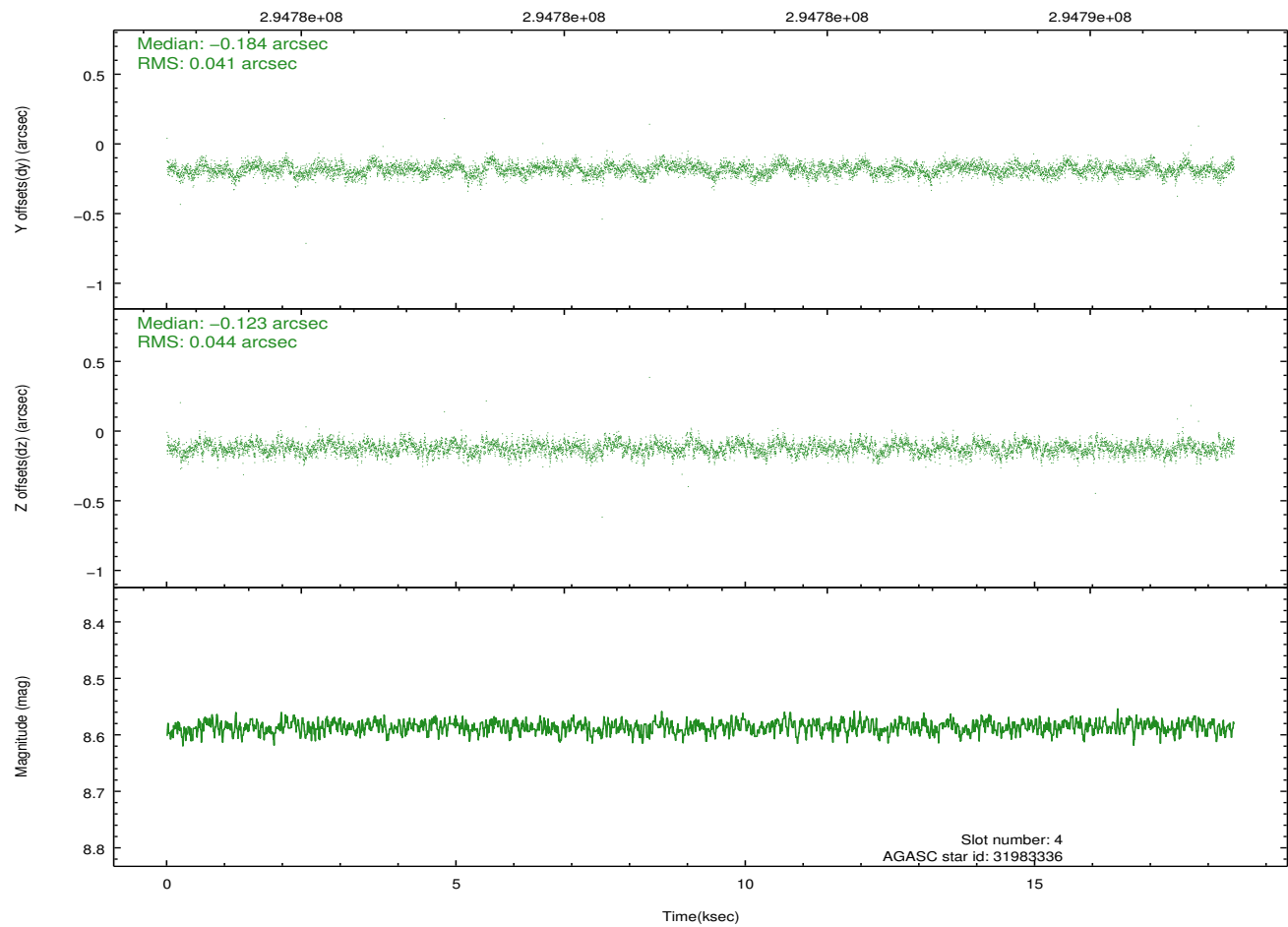
2.4.1 Slot 3



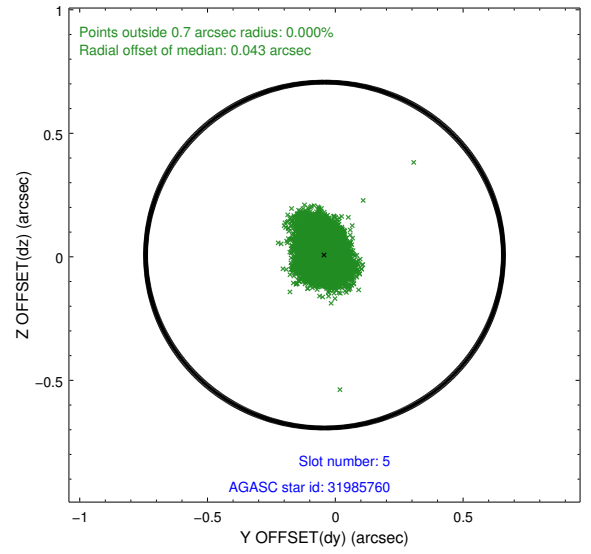
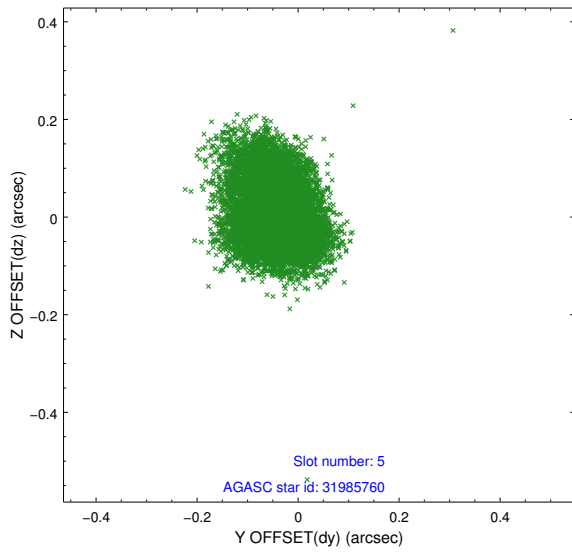
2.4.2 Slot 4



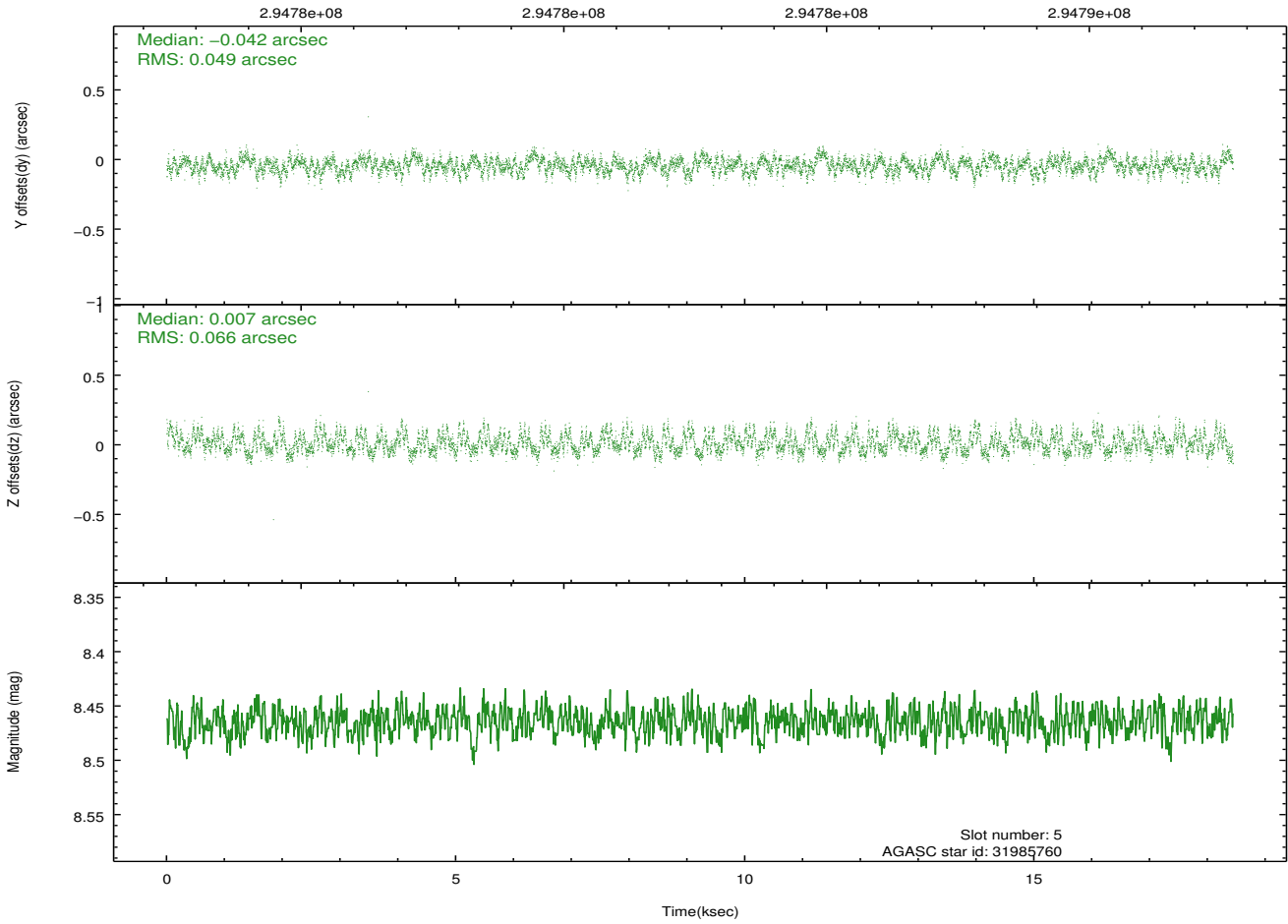
Time (s)



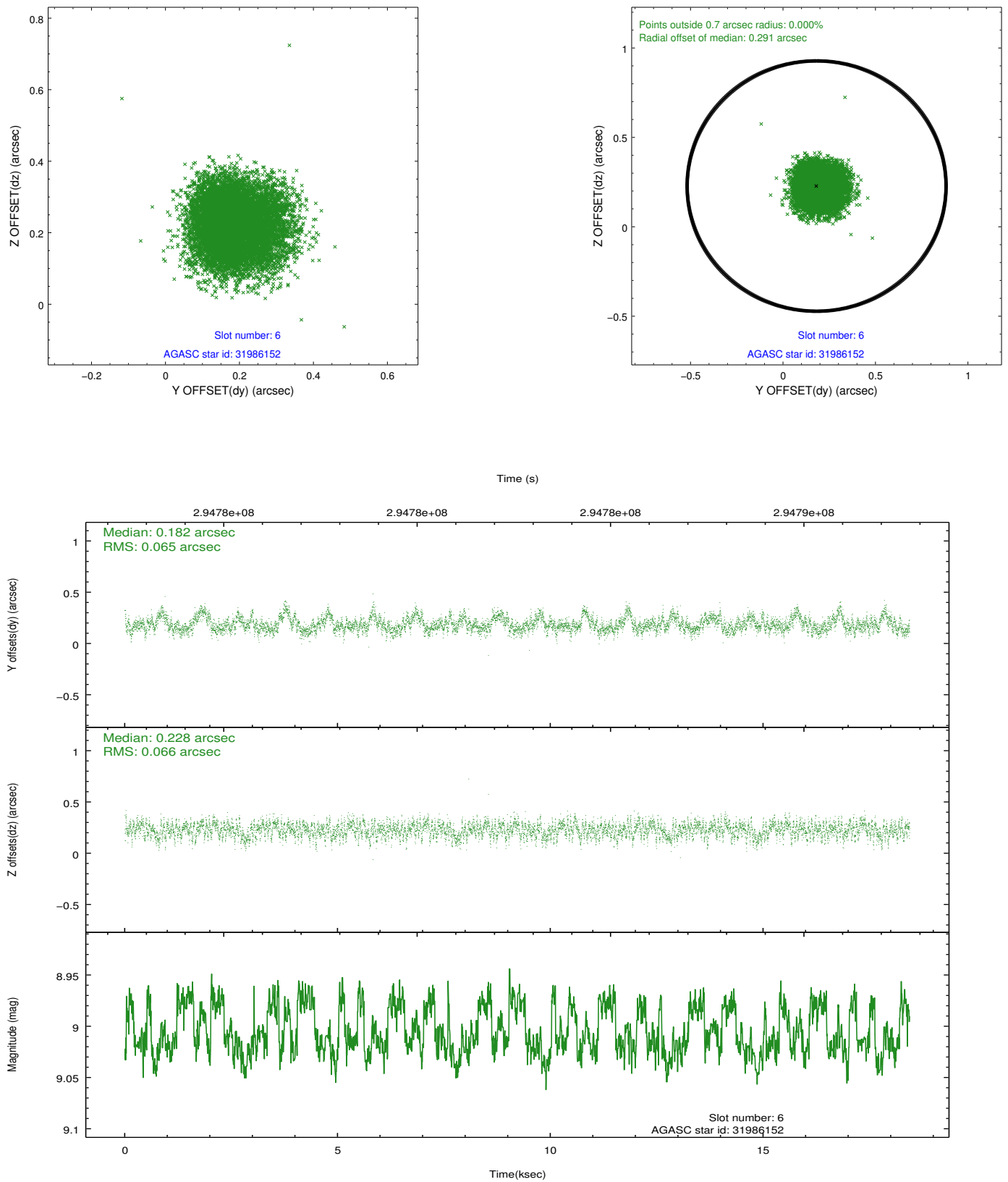
2.4.3 Slot 5



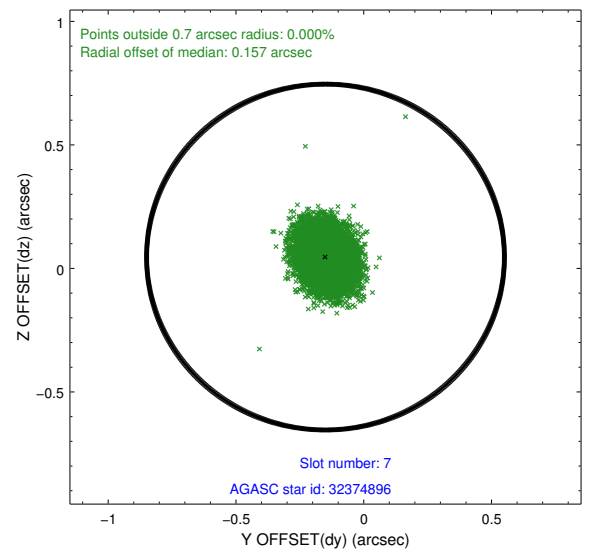
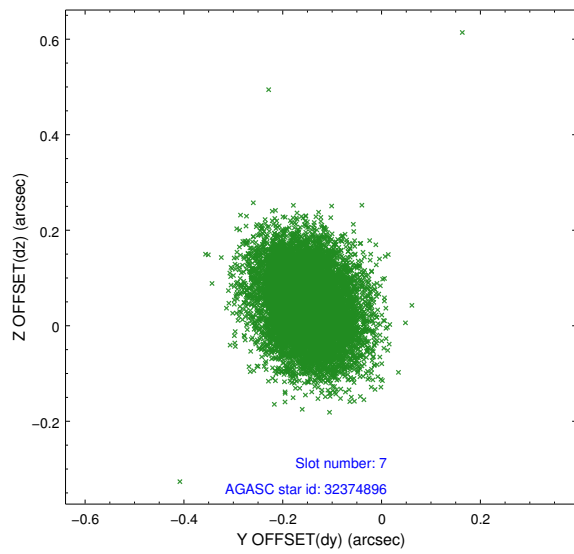
Time (s)



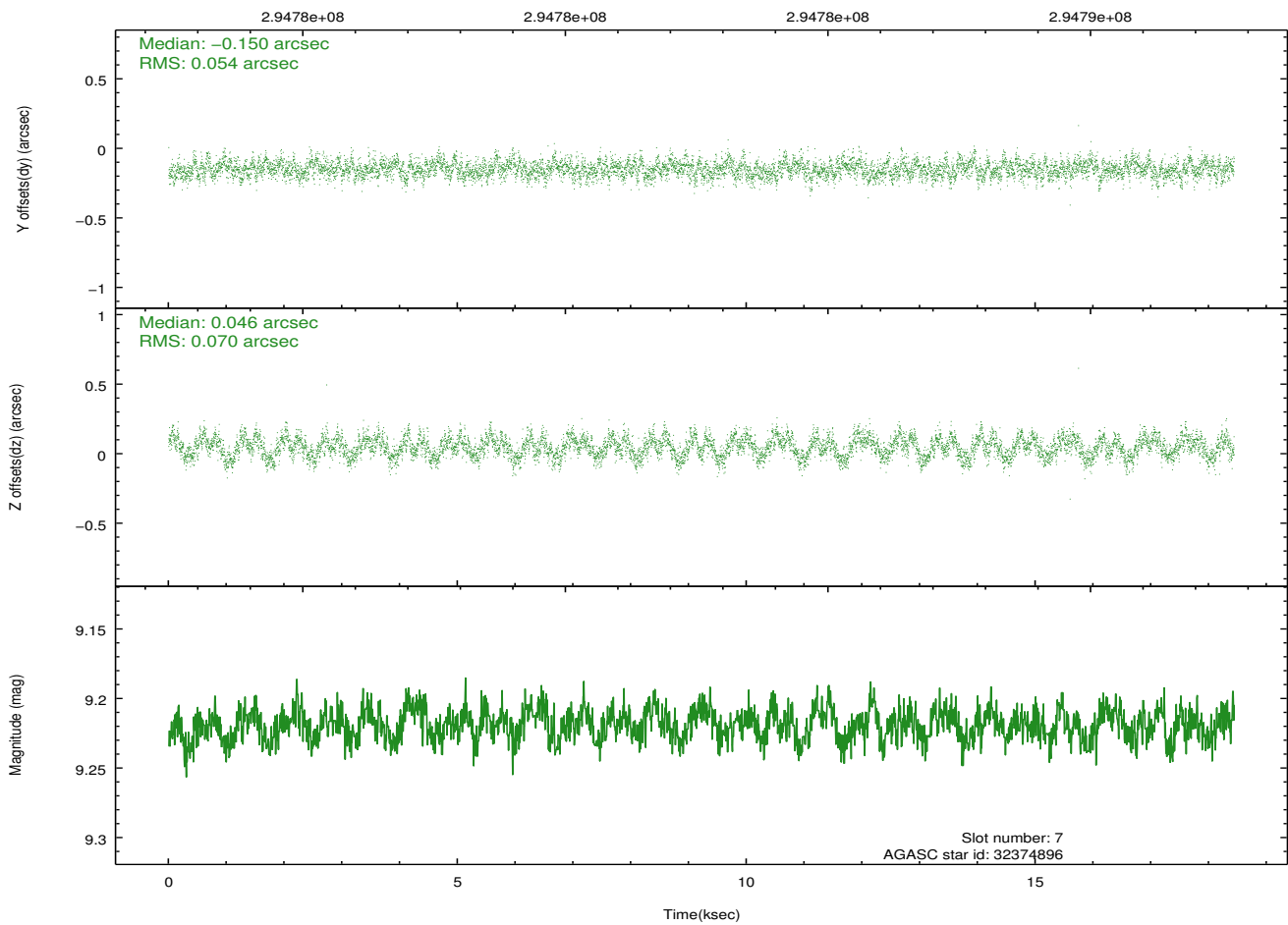
2.4.4 Slot 6



2.4.5 Slot 7

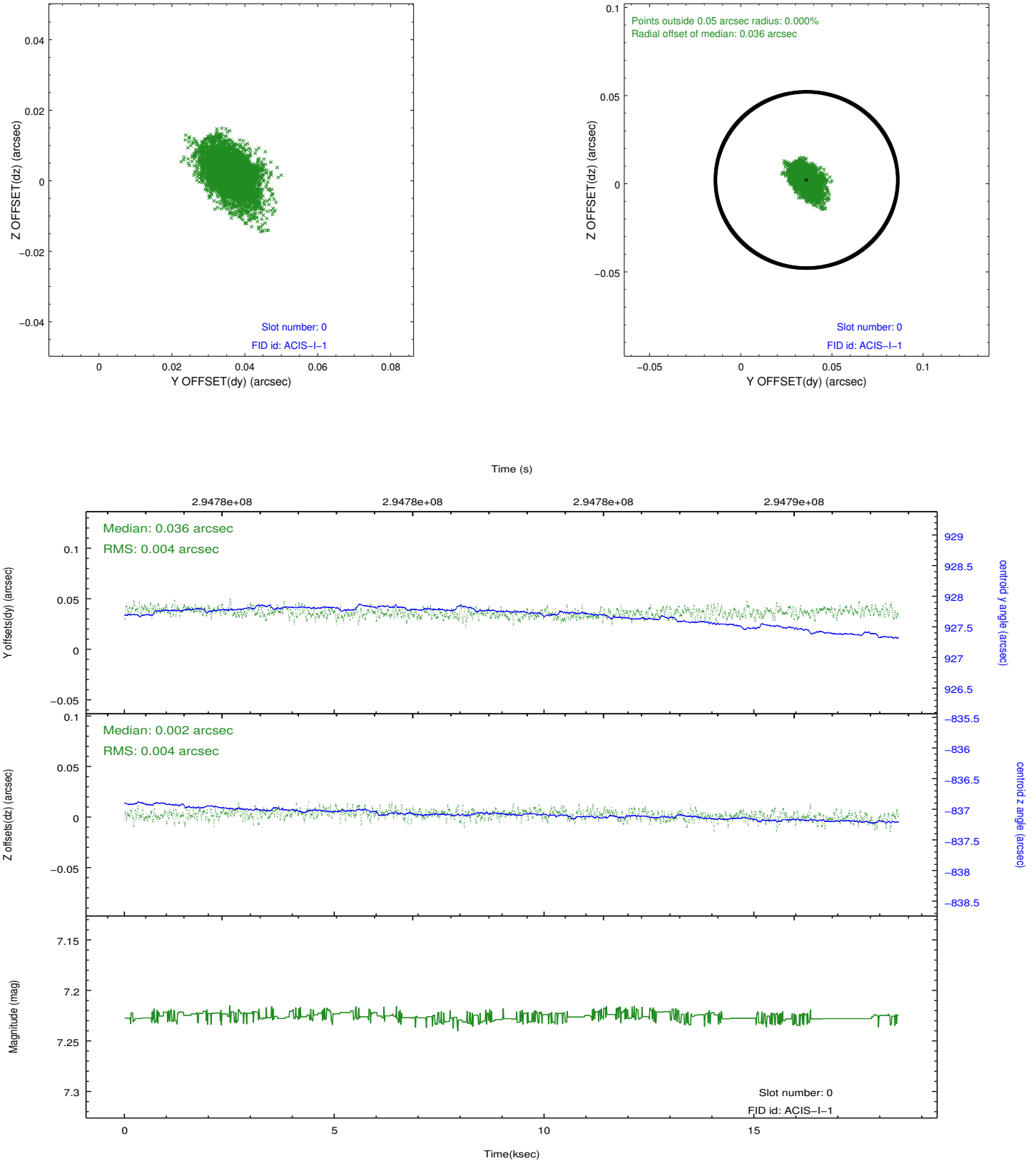


Time (s)

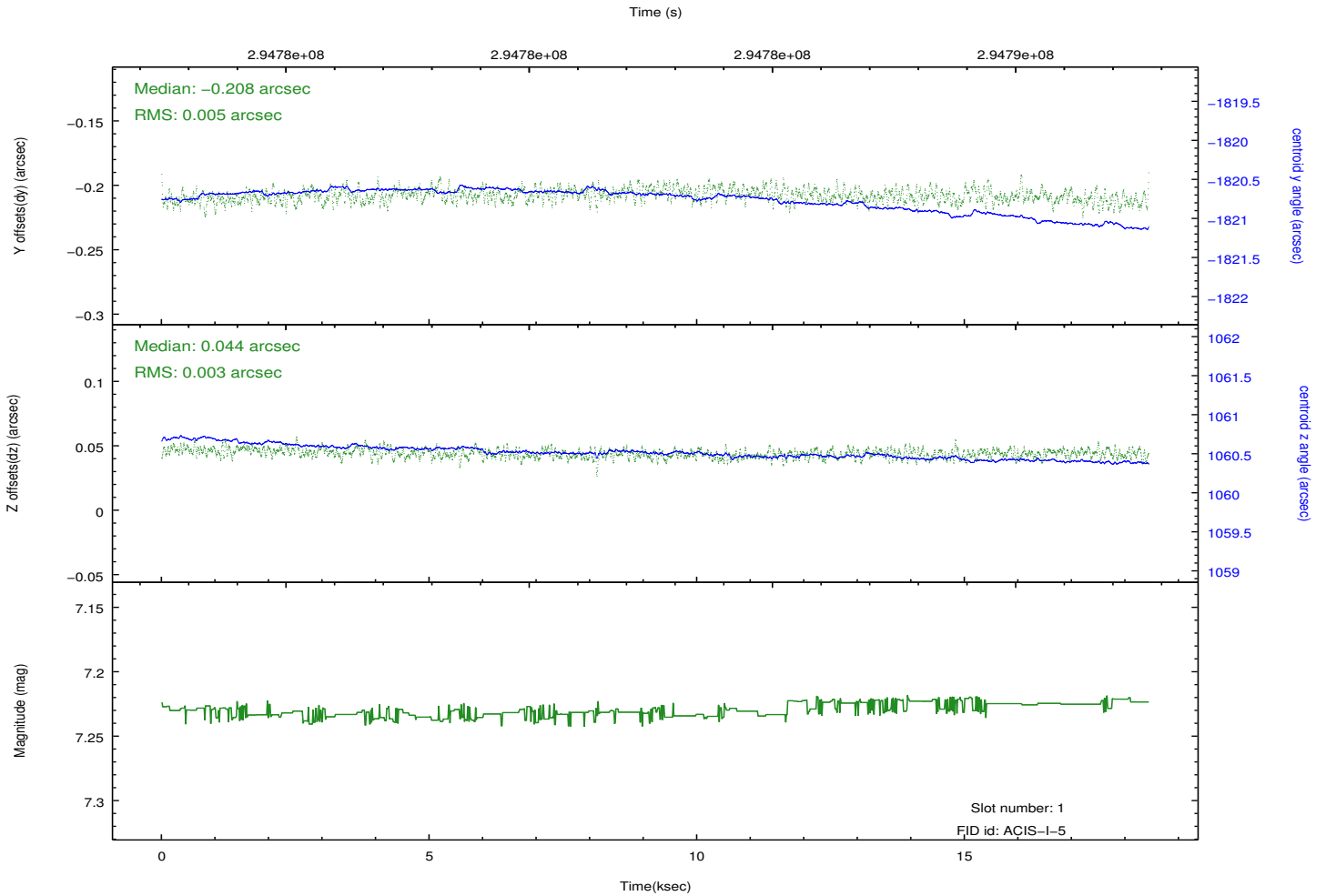
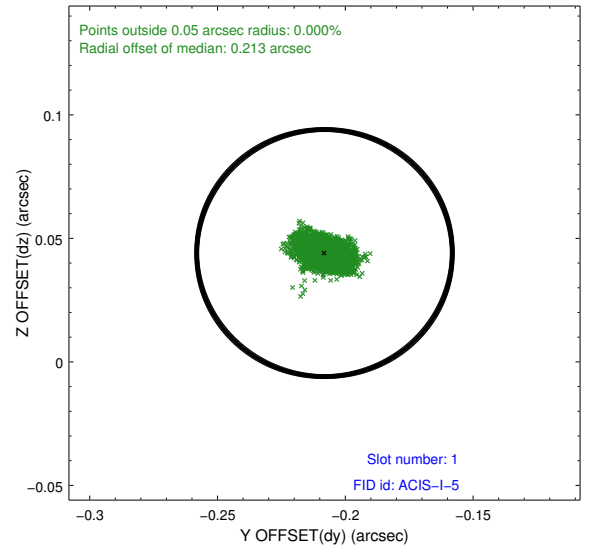
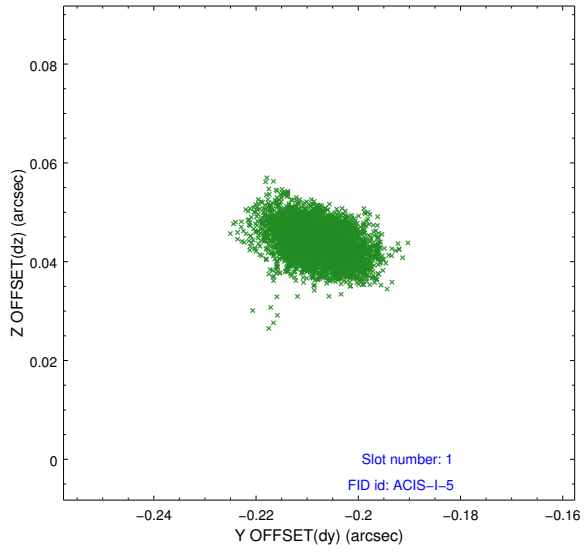


2.5 FID Slots

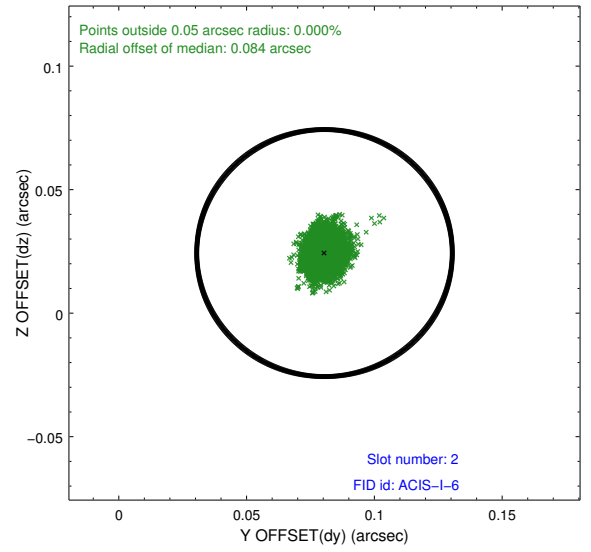
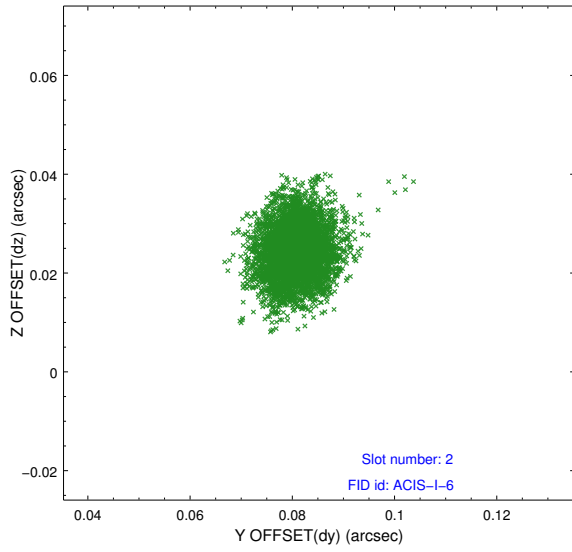
2.5.1 Slot 0



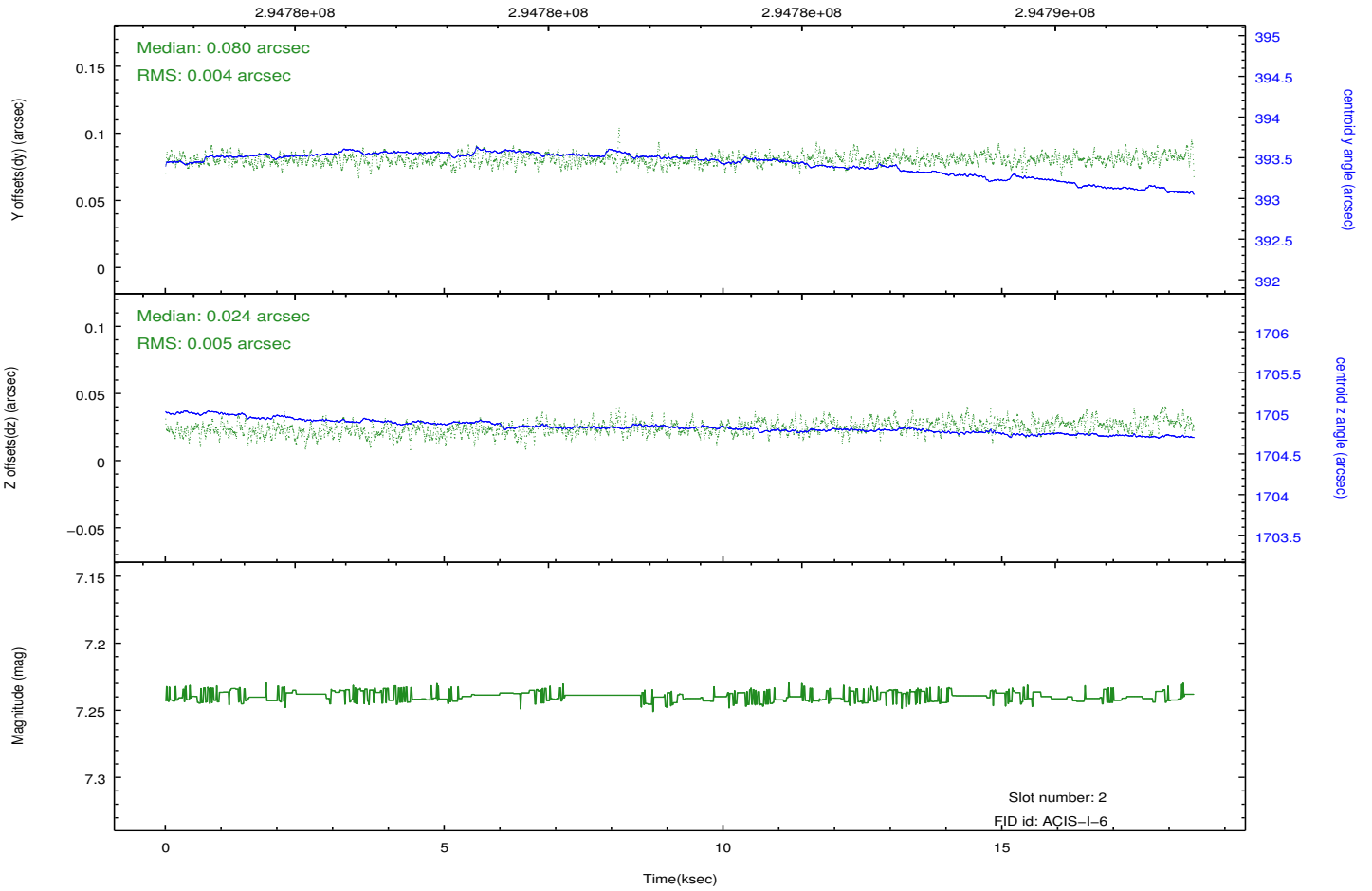
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.0415999

A.2 Comments