

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11384 - L2 Version 2
Chandra X-Ray Center

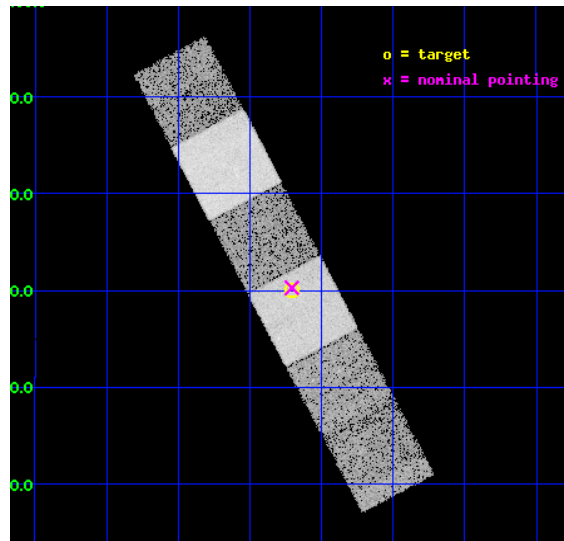
L2 Processing Date : Jun 19 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

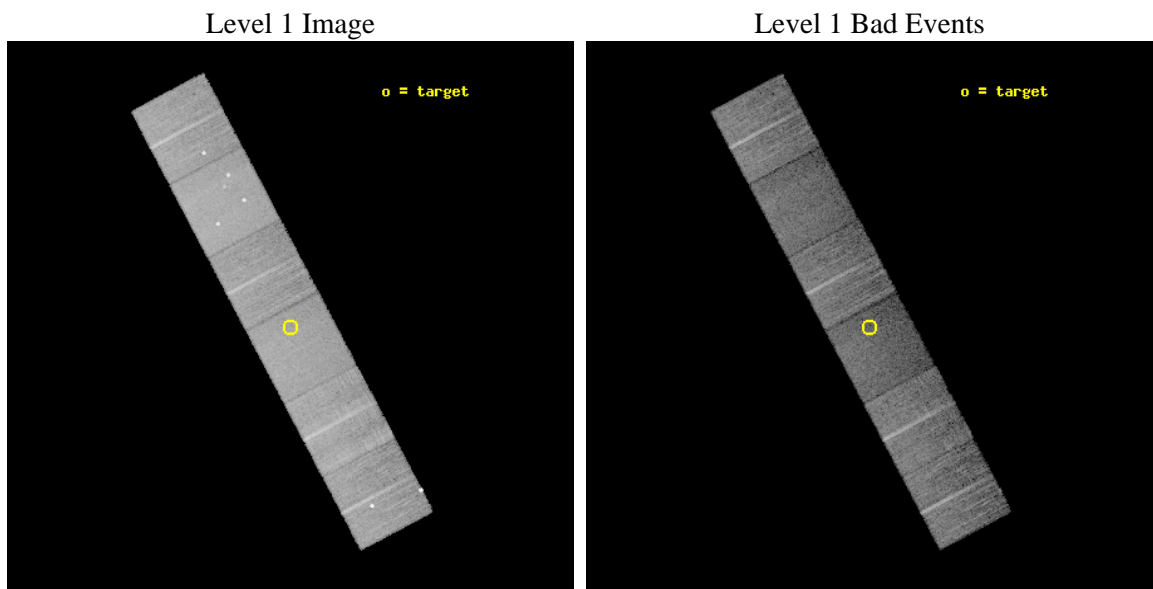
seq_num	600903	Sequence number
obs_id	11384	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	SDSSJ150812.35+012959.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	227.052	Observer's specified target RA [deg]
dec_targ	1.49979	Observer's specified target Dec [deg]
ra_nom	227.0516829123	Nominal RA [deg]
dec_nom	1.5046204966097	Nominal Dec [deg]
roll_nom	62.037845964643	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10057.599962592	Sum of GTIs [s]
livetime	9930.2445759062	Livetime [s]
ontime4	10057.599962592	Sum of GTIs [s]
ontime5	10057.599962592	Sum of GTIs [s]
ontime6	10054.358992279	Sum of GTIs [s]
ontime7	10057.599962592	Sum of GTIs [s]
ontime8	10057.599962592	Sum of GTIs [s]
ontime9	10057.599962592	Sum of GTIs [s]
l2events	139240	Number of level 2 events



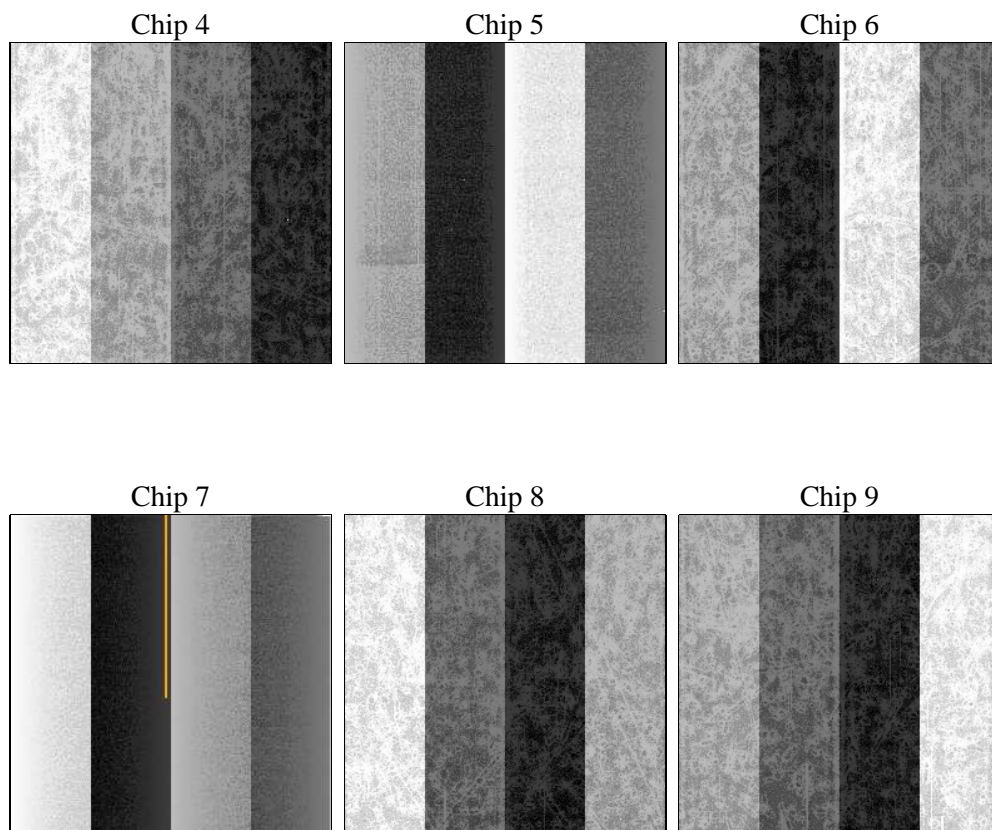
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10057.599962592	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	10057.599962592	Sum of GTIs [s]
date	2012-06-19T07:08:25	Date and time of file creation	ontime5	10057.599962592	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10054.358992279	Sum of GTIs [s]
			ontime7	10057.599962592	Sum of GTIs [s]
			ontime8	10057.599962592	Sum of GTIs [s]
			ontime9	10057.599962592	Sum of GTIs [s]
			l1events	662295	Number of level 1 events

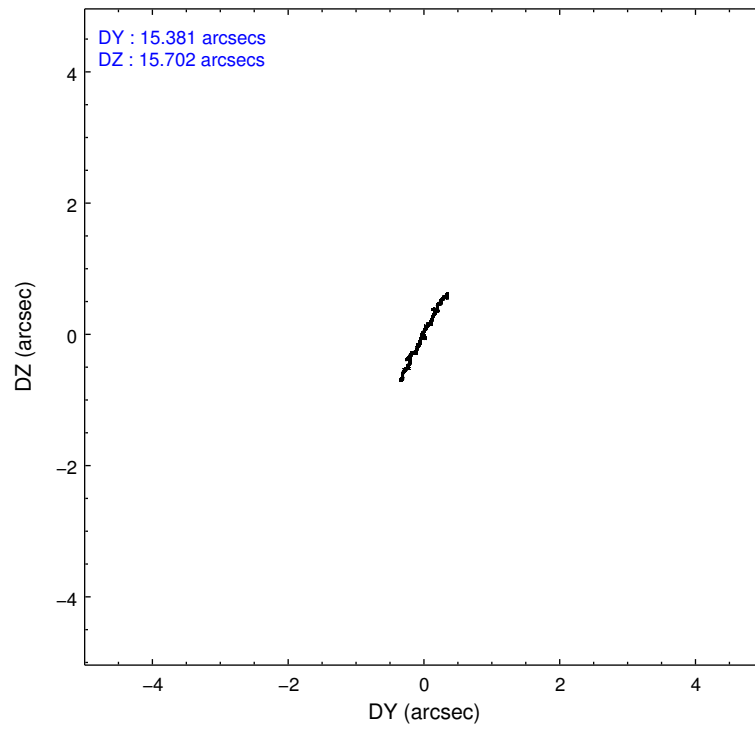
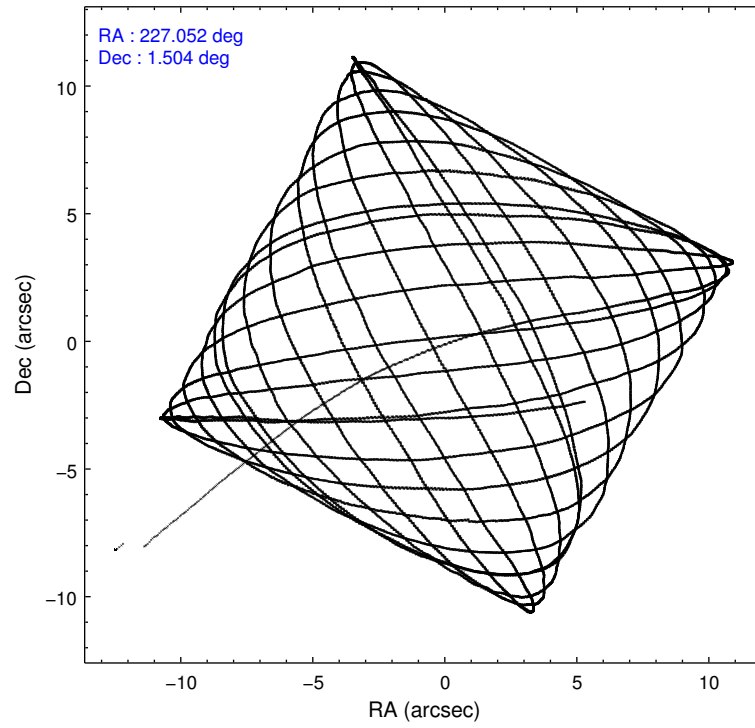
2.1.4 Events

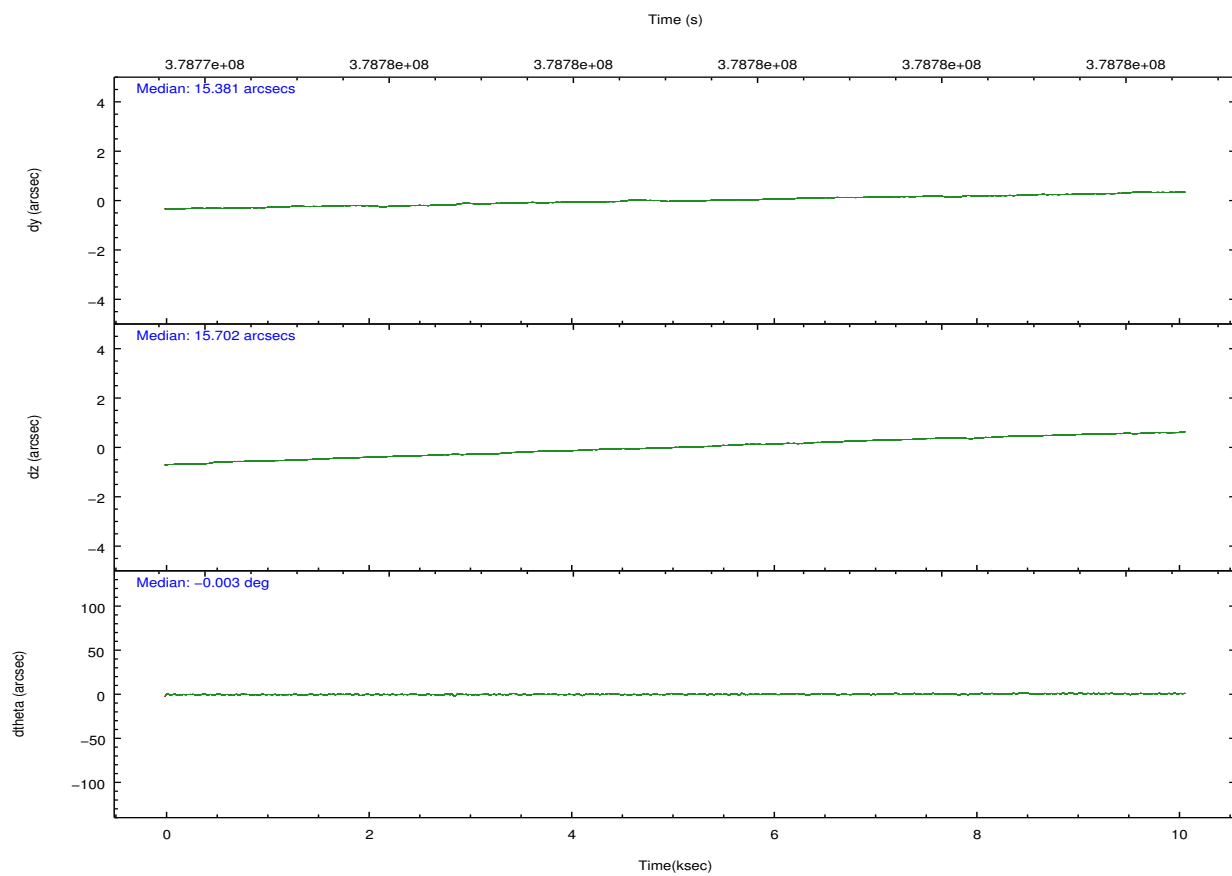
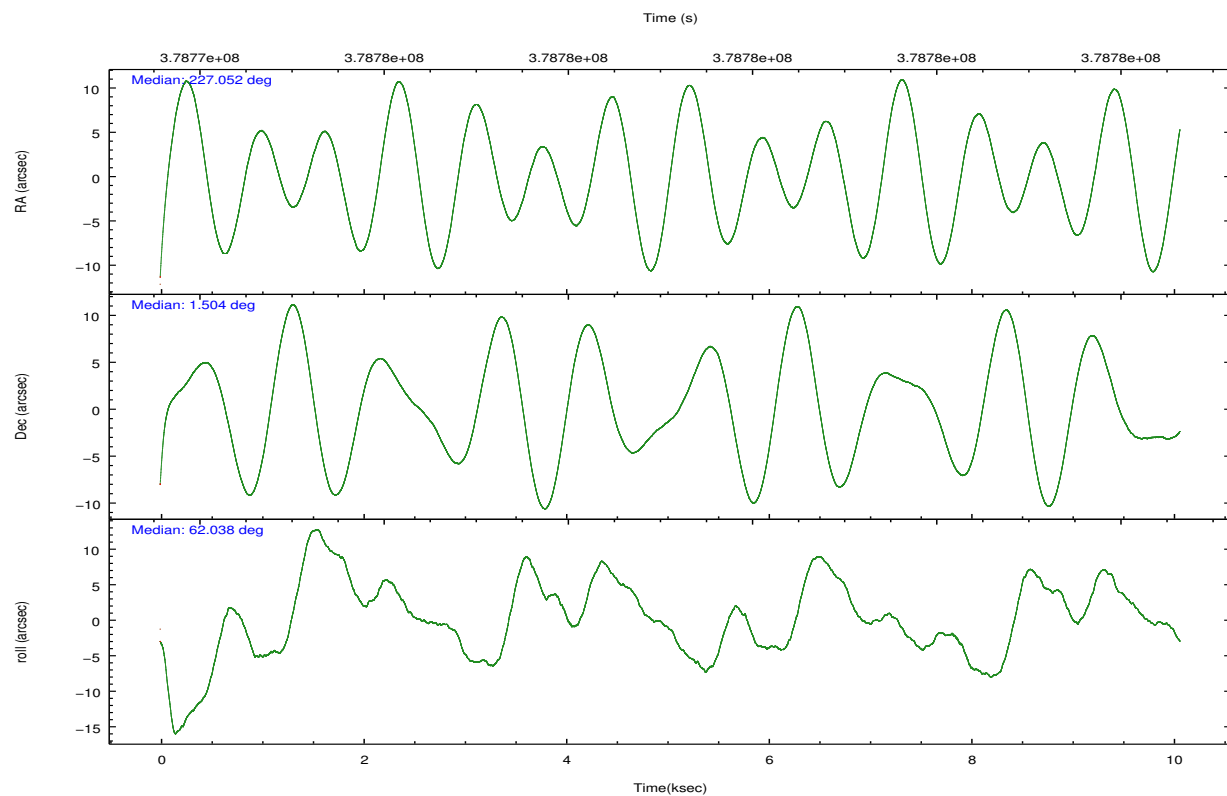
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	108534	134887	92674	106355	121550	98295	grade 0 events	6274	9327	3536	4448	9297	10120
rejected events	96255	69394	83154	60235	92057	82218		5%	6%	3%	4%	7%	10%
rejected %	88%	51%	89%	56%	75%	83%	grade 1 events	109	295	59	144	116	98
								0%	0%	0%	0%	0%	0%
							grade 2 events	2662	19745	2169	9989	7168	2339
								2%	14%	2%	9%	5%	2%
							grade 3 events	1066	2490	1074	4333	3183	1126
								0%	1%	1%	4%	2%	1%
							grade 4 events	1063	2445	1040	4256	2950	1061
								0%	1%	1%	4%	2%	1%
							grade 5 events	3832	9865	3860	11047	5631	4188
								3%	7%	4%	10%	4%	4%
							grade 6 events	1795	34488	2126	25109	8130	2106
								1%	25%	2%	23%	6%	2%
							grade 7 events	91733	56232	78810	47029	85075	77257
								84%	41%	85%	44%	69%	78%

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	227.053032	227.0516829122953	CCD I2 on	N	N
[deg] Pointing Dec	1.477314	1.504620496609729	CCD I3 on	N	N
[deg] Pointing Roll	61.881176	62.03784596464326	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	378774233.184000	378772947.05333	CCD S5 on	O2	Y
Observation start date	2010-01-01T23:02:47	2010-01-01T22:42:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	378784133.184000	378784268.1789	On-chip summing requested	N	N
Observation end date	2010-01-02T01:47:47	2010-01-02T01:51:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



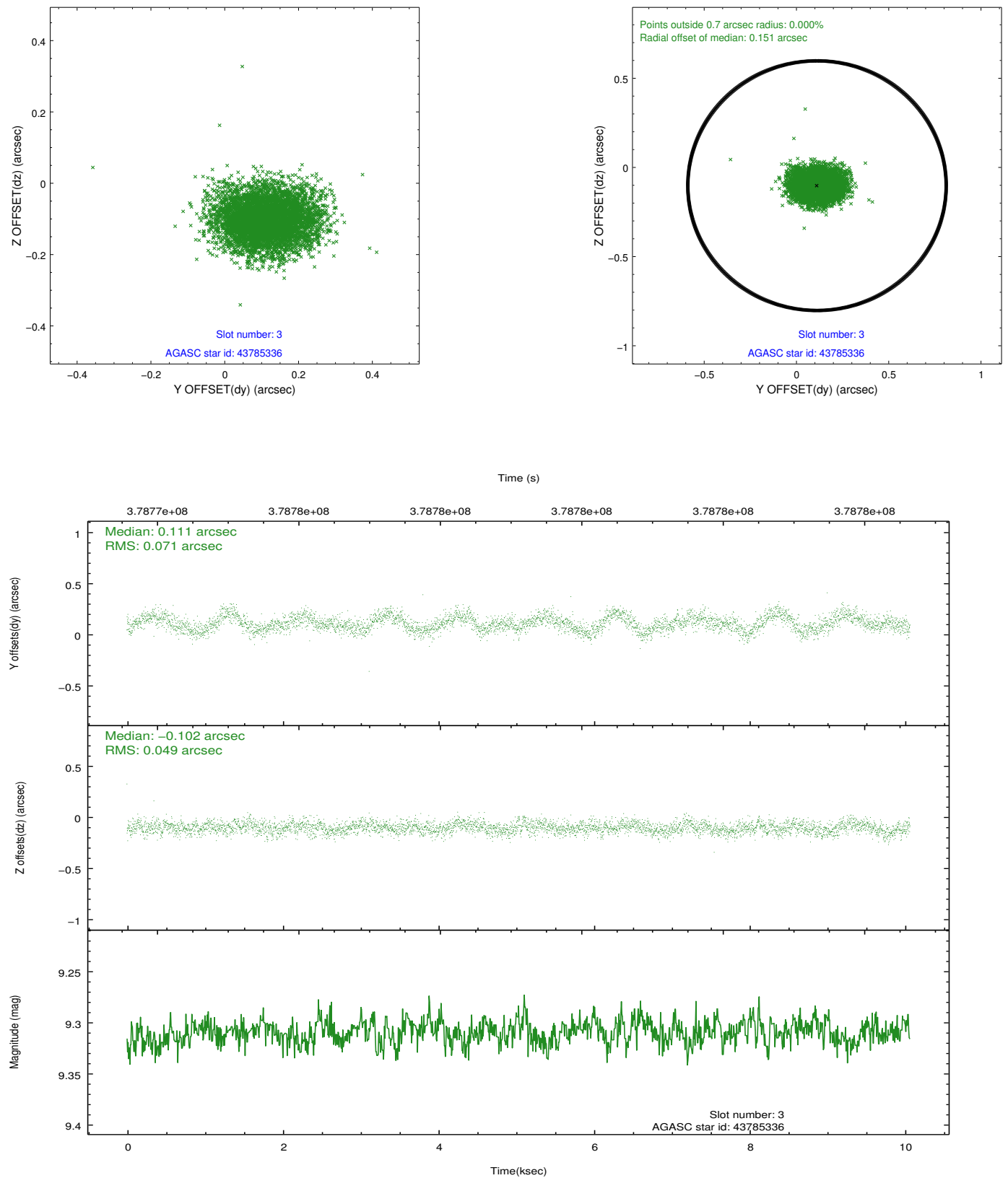


Slot Statistics

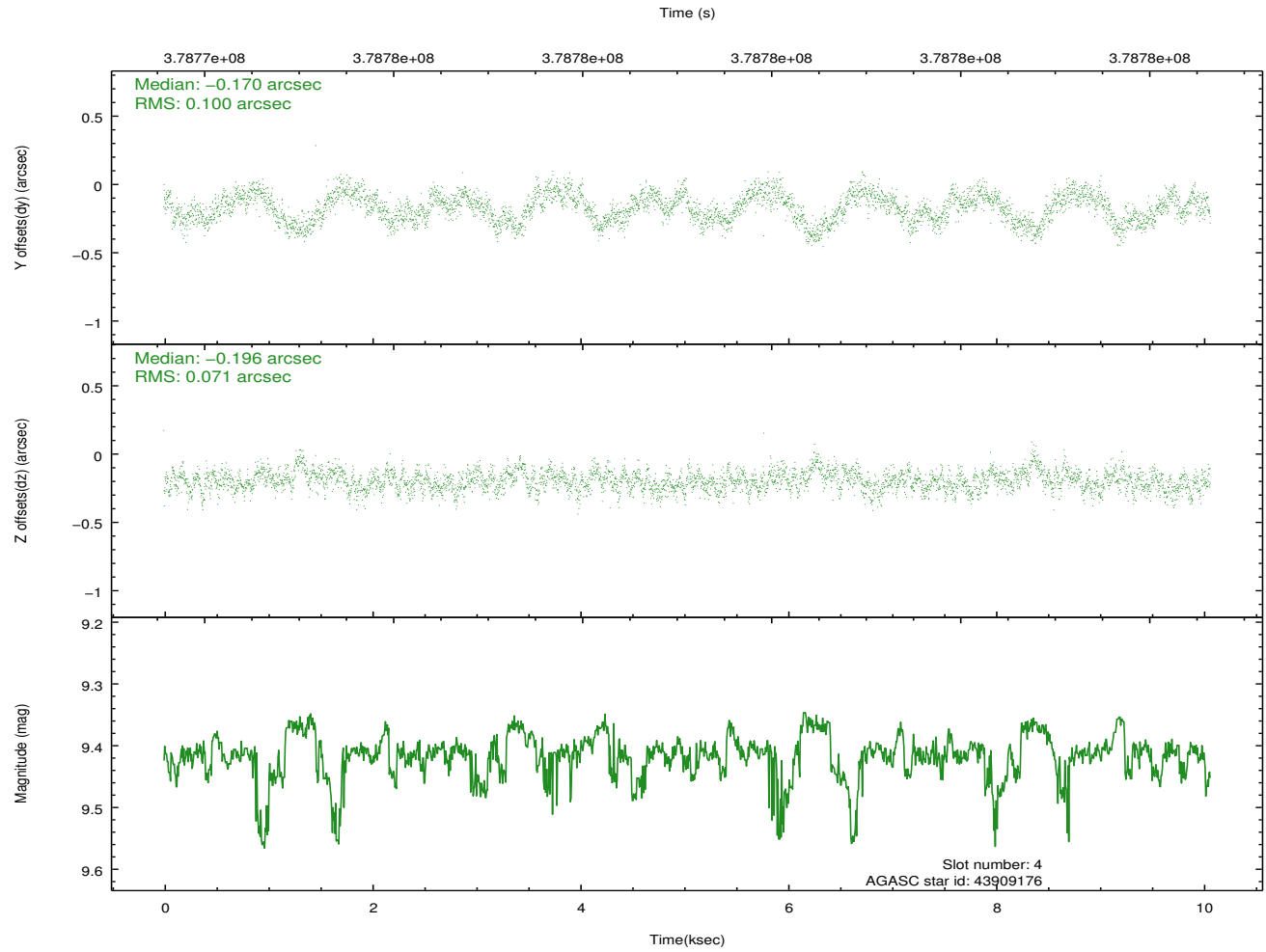
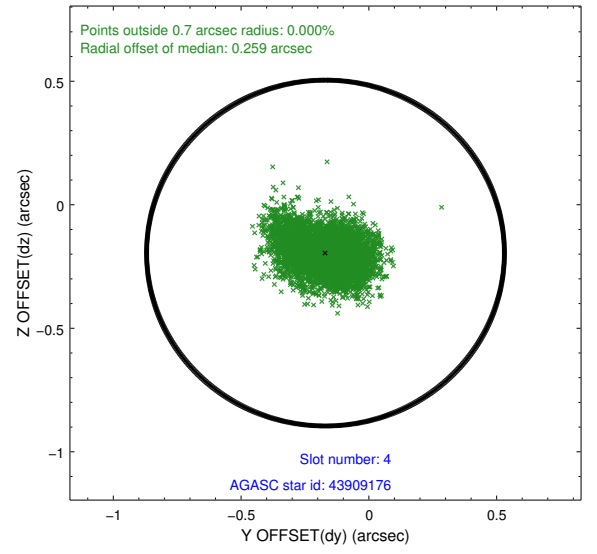
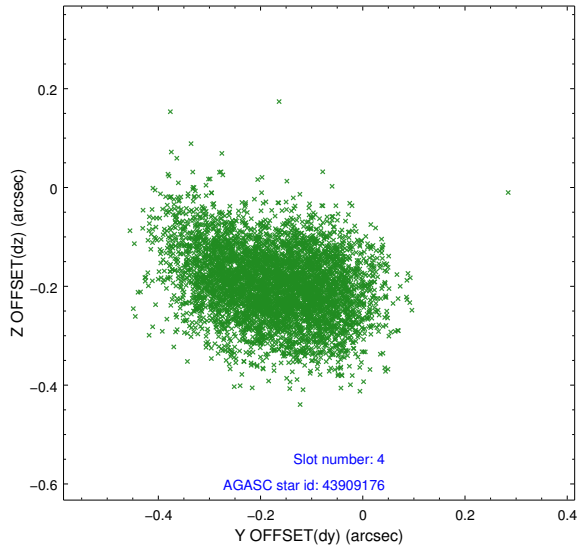
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2456	-0.110	-0.071	0.010	0.028	0.000000	0.000000	-768.50	-1737.10
1	FID	ACIS-S-4	7.00	2456	0.123	0.056	0.010	0.017	0.000000	0.000000	2144.80	170.91
2	FID	ACIS-S-6	7.14	2456	-0.041	0.020	0.010	0.016	0.000000	0.000000	394.27	808.90
3	GUIDE	43785336	9.31	4906	0.111	-0.102	0.091	0.148	226.723432	1.018553	-2015.07	268.17
4	GUIDE	43909176	9.41	4883	-0.170	-0.196	0.132	0.212	227.095539	1.632644	565.22	129.46
5	GUIDE	43909432	8.45	4909	0.072	0.091	0.096	0.155	227.032488	1.308525	-570.09	-220.91
6	GUIDE	44435584	10.45	4897	-0.212	-0.102	0.166	0.276	227.059330	1.975435	1592.31	825.29
7	GUIDE	43914248	7.61	4910	0.192	0.306	0.064	0.109	227.423769	0.723096	-1764.71	-2456.05

2.4 Star Slots

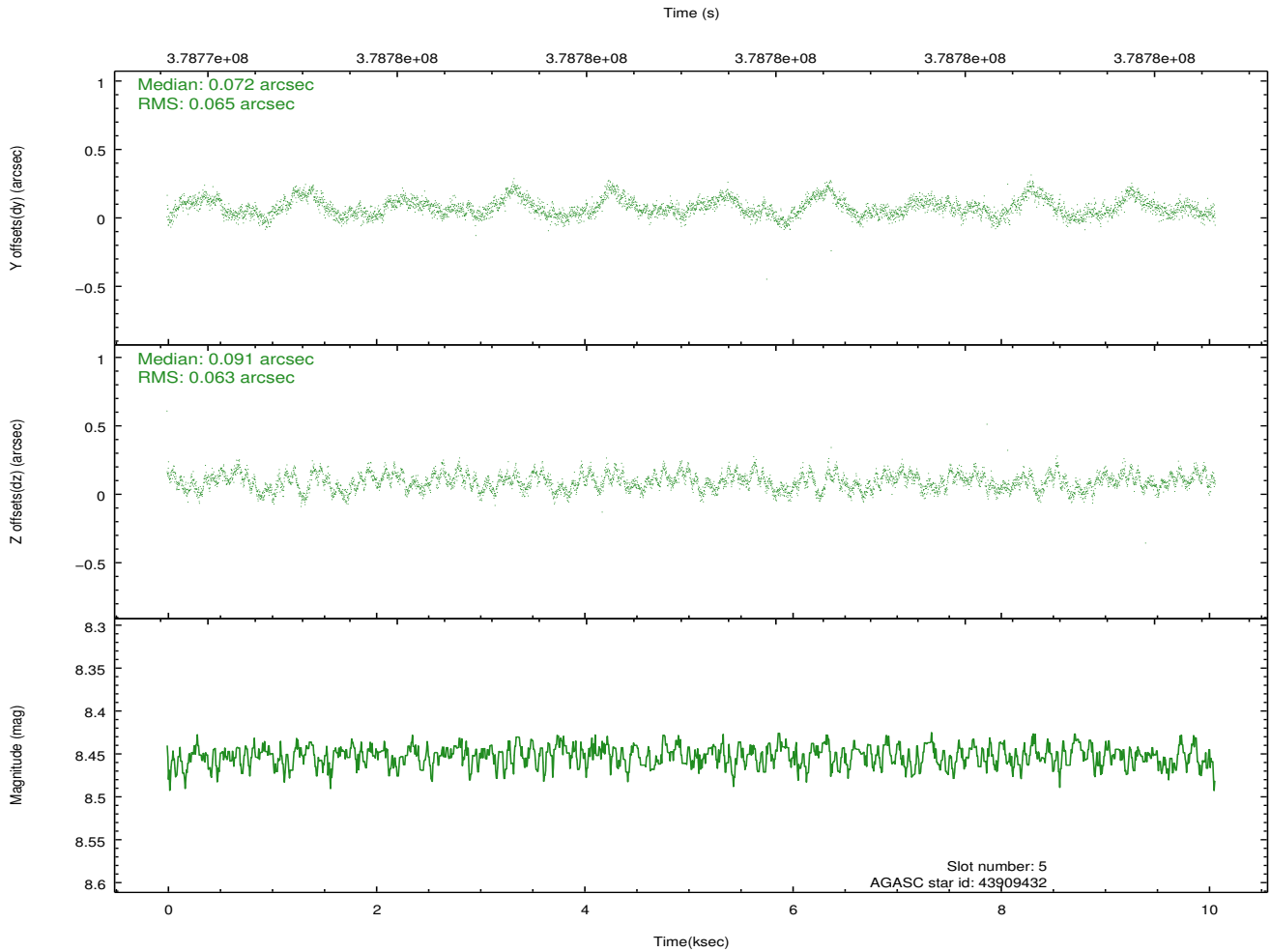
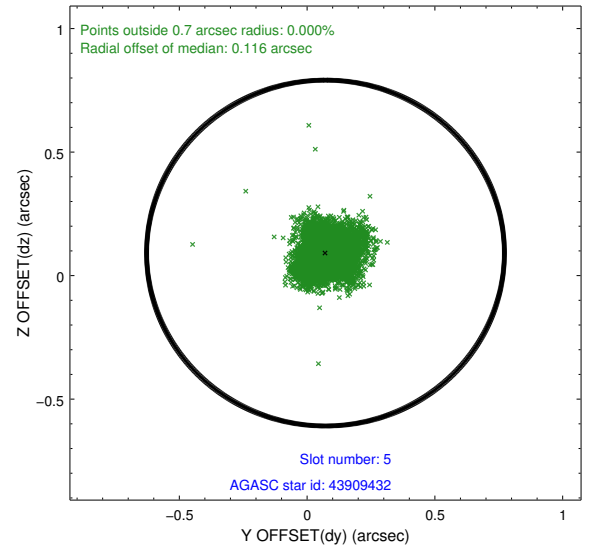
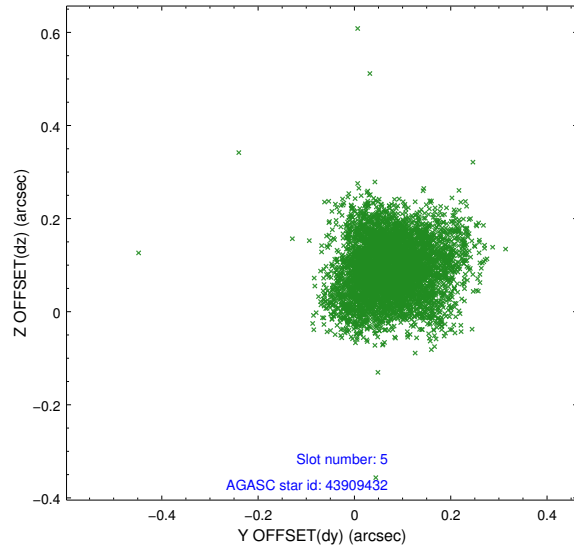
2.4.1 Slot 3



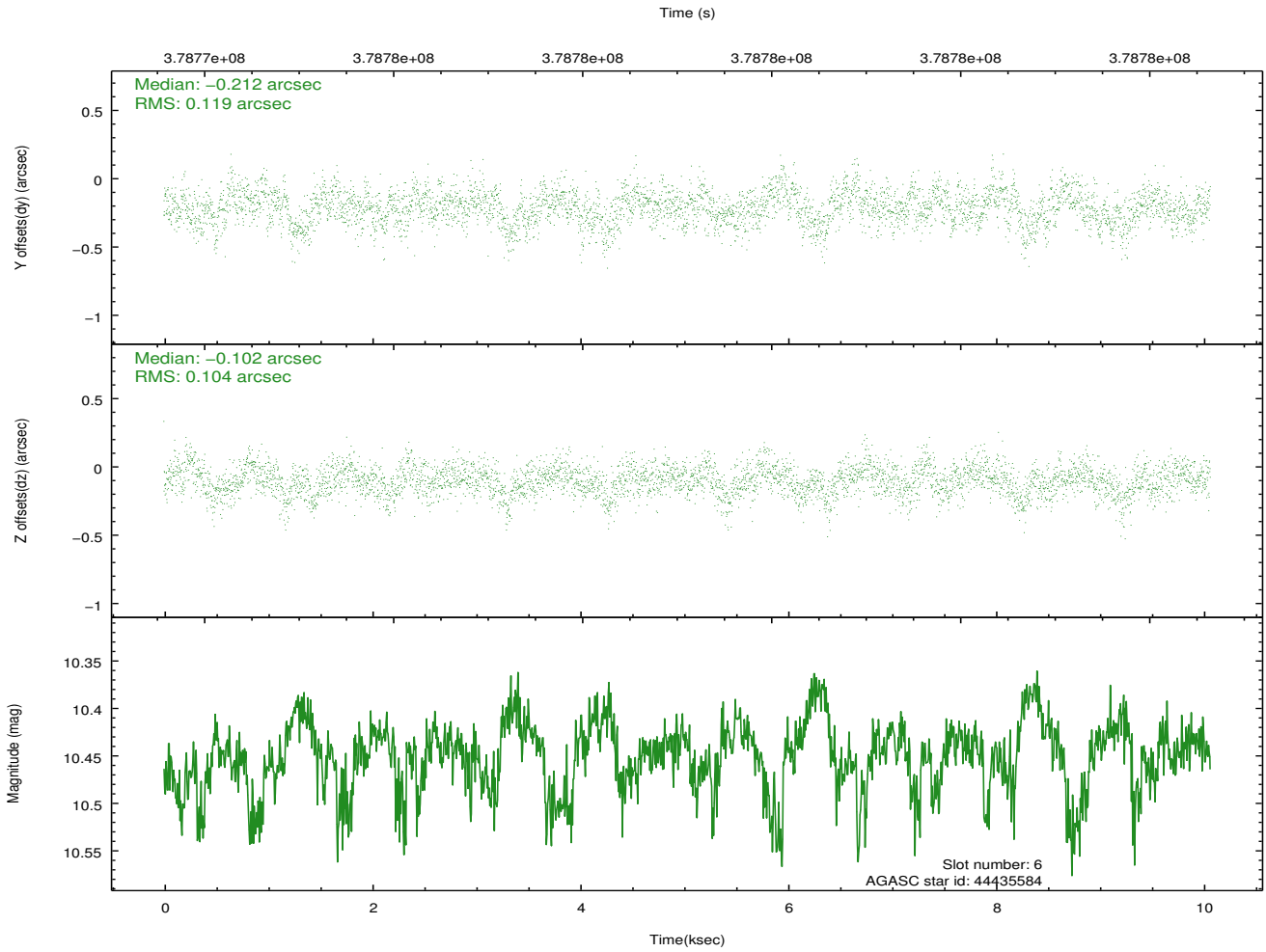
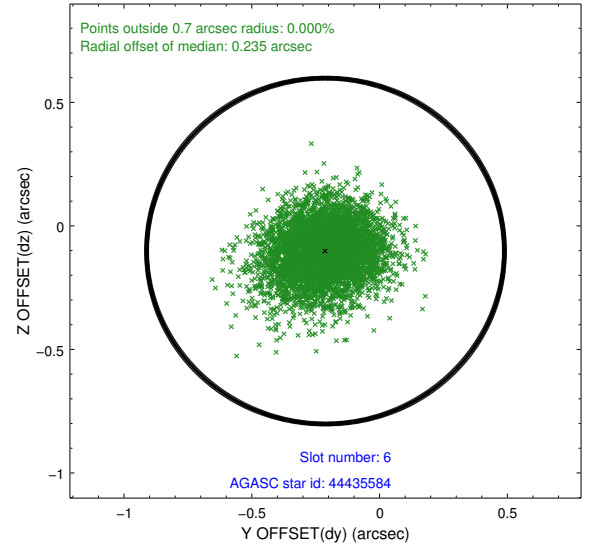
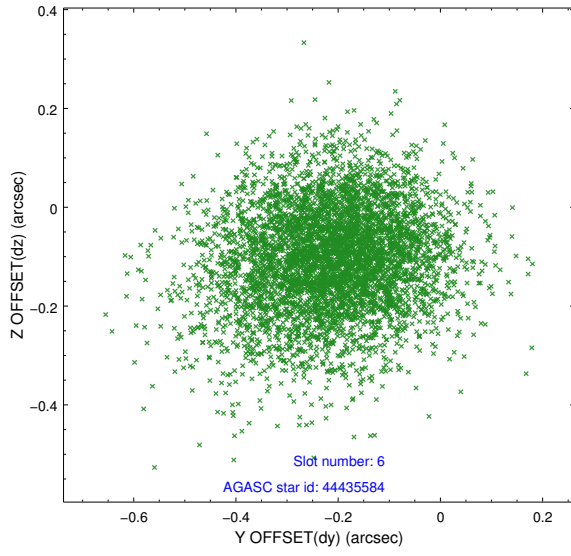
2.4.2 Slot 4



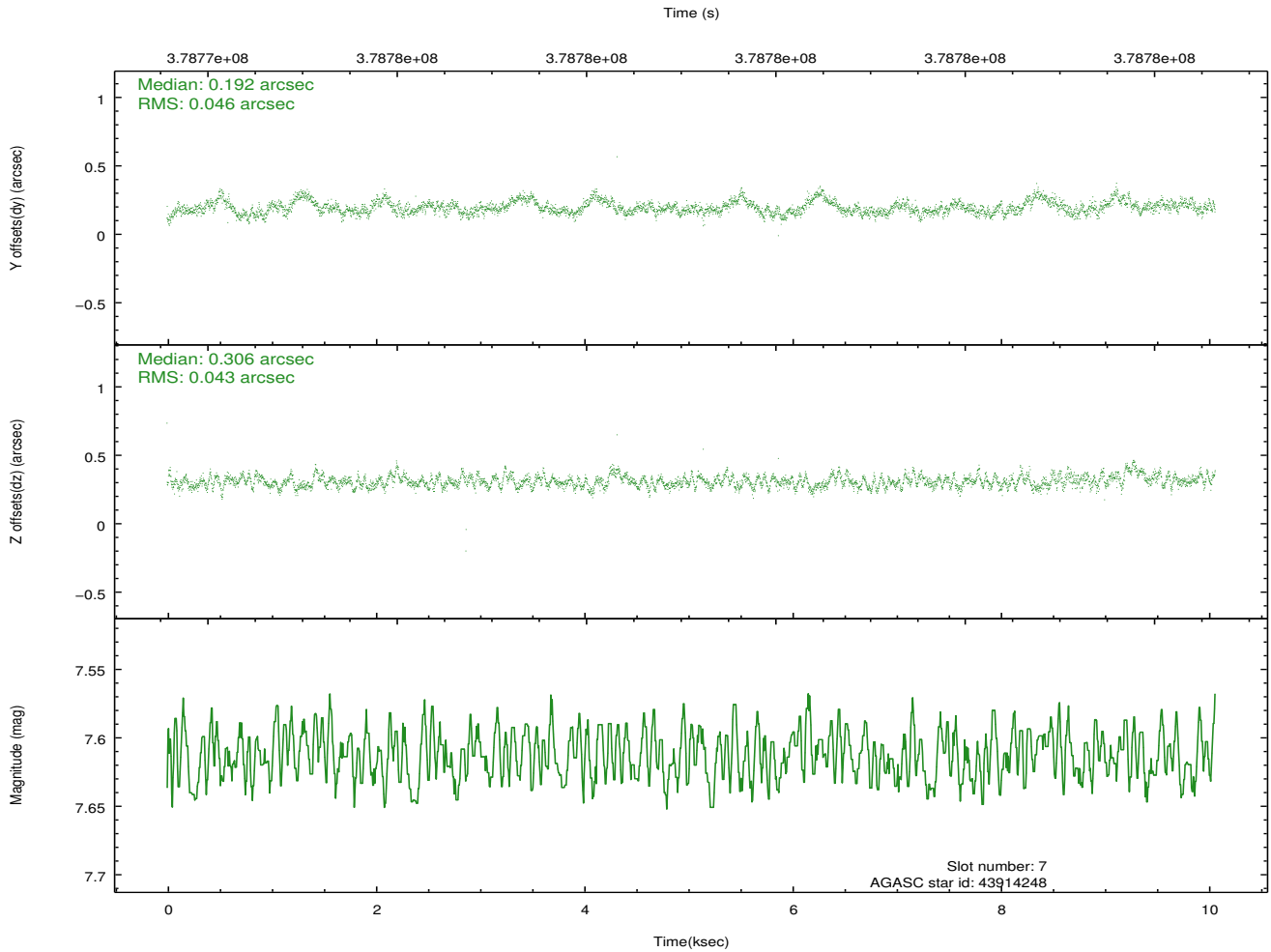
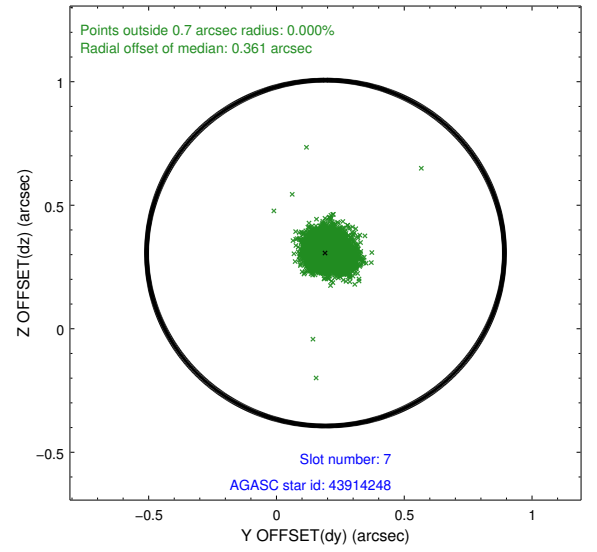
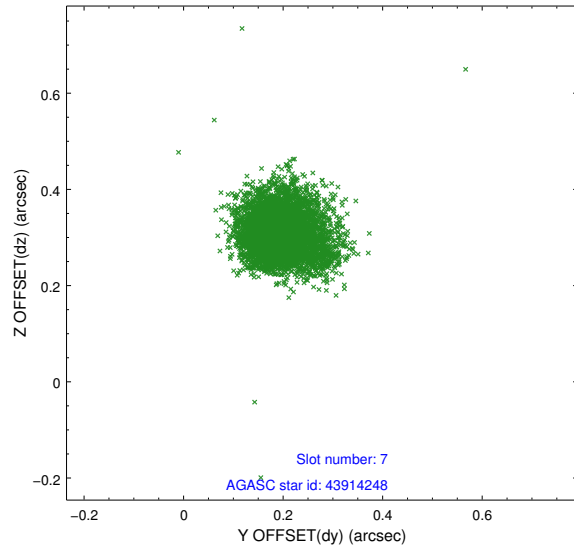
2.4.3 Slot 5



2.4.4 Slot 6

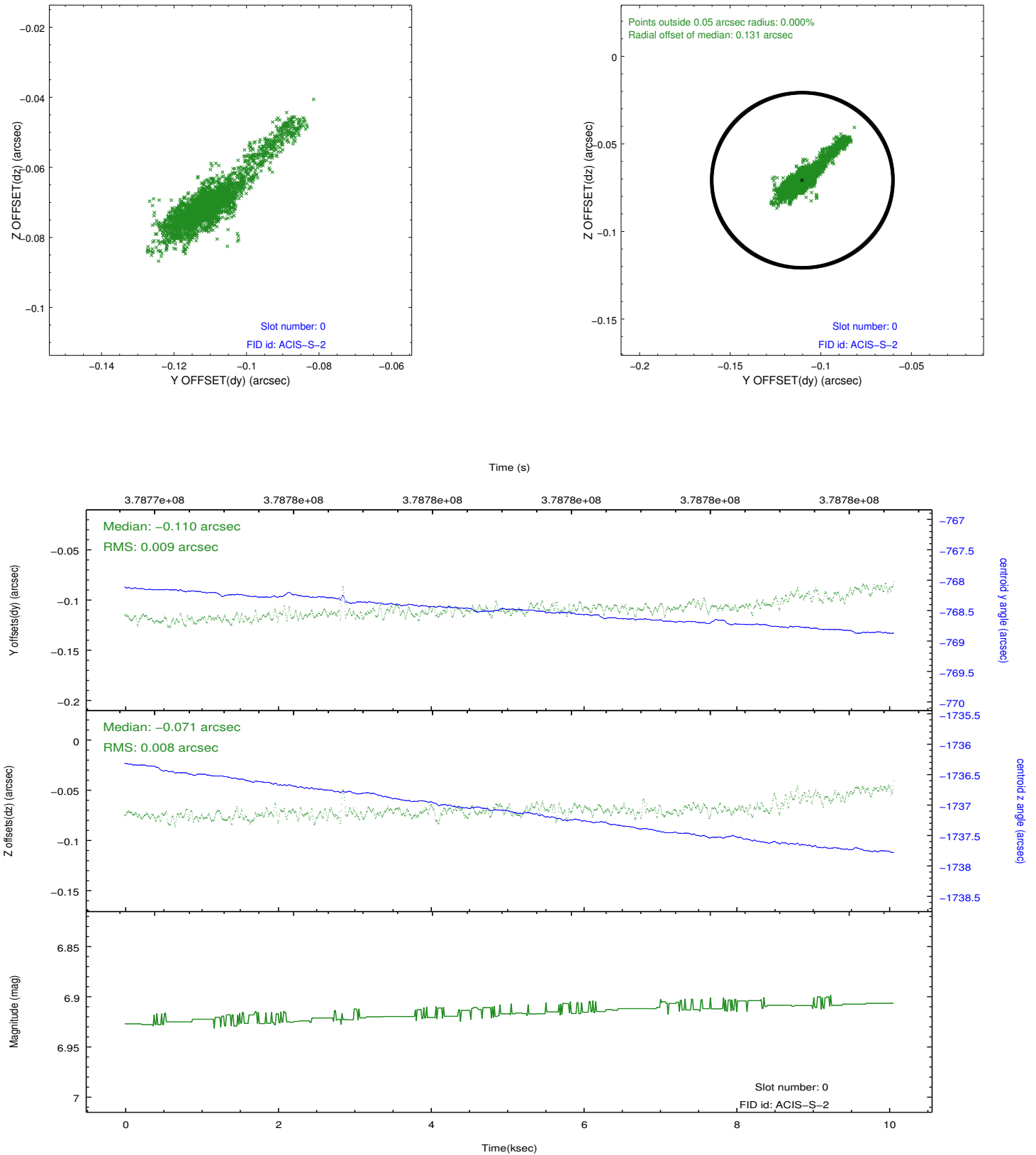


2.4.5 Slot 7

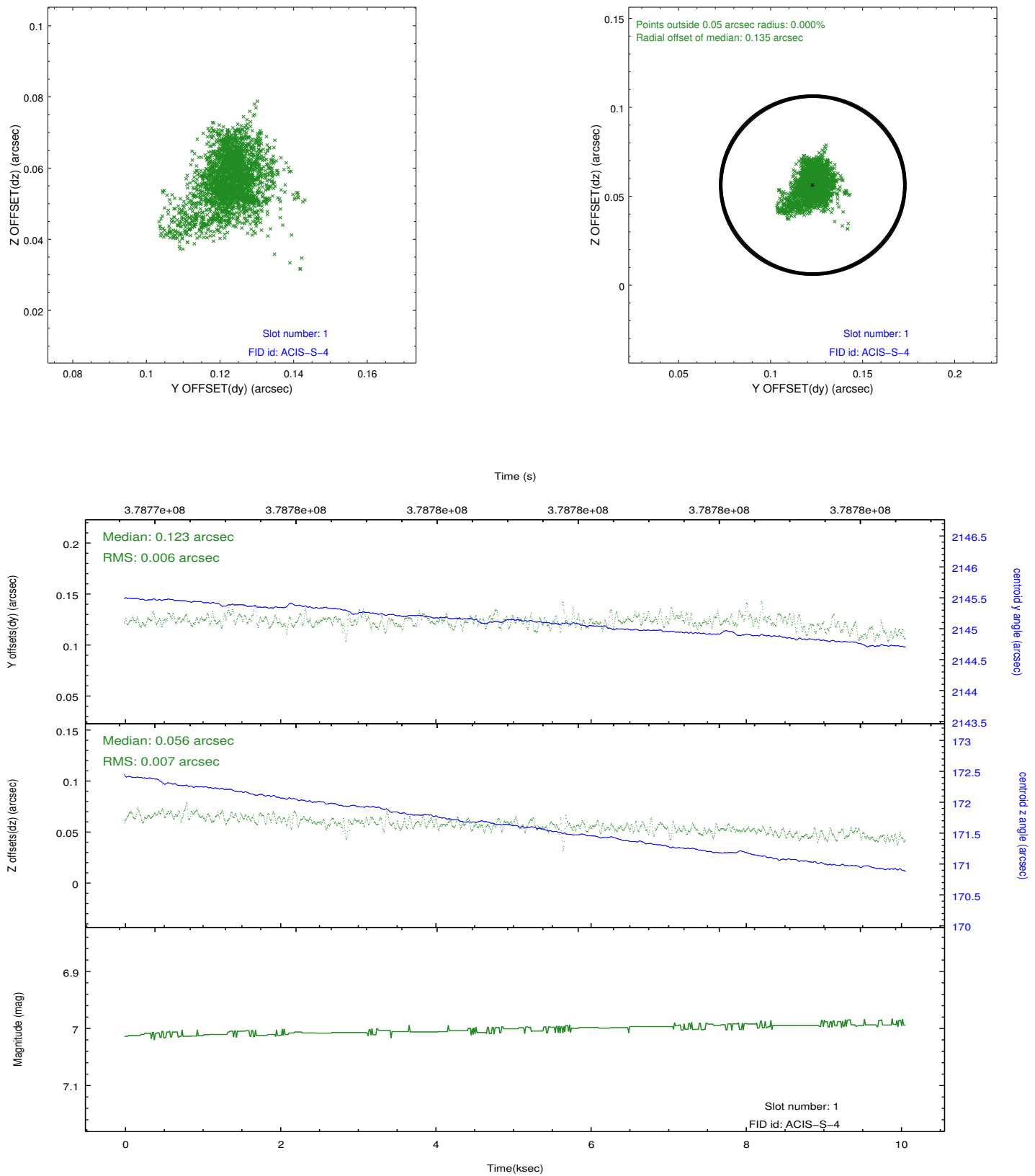


2.5 FID Slots

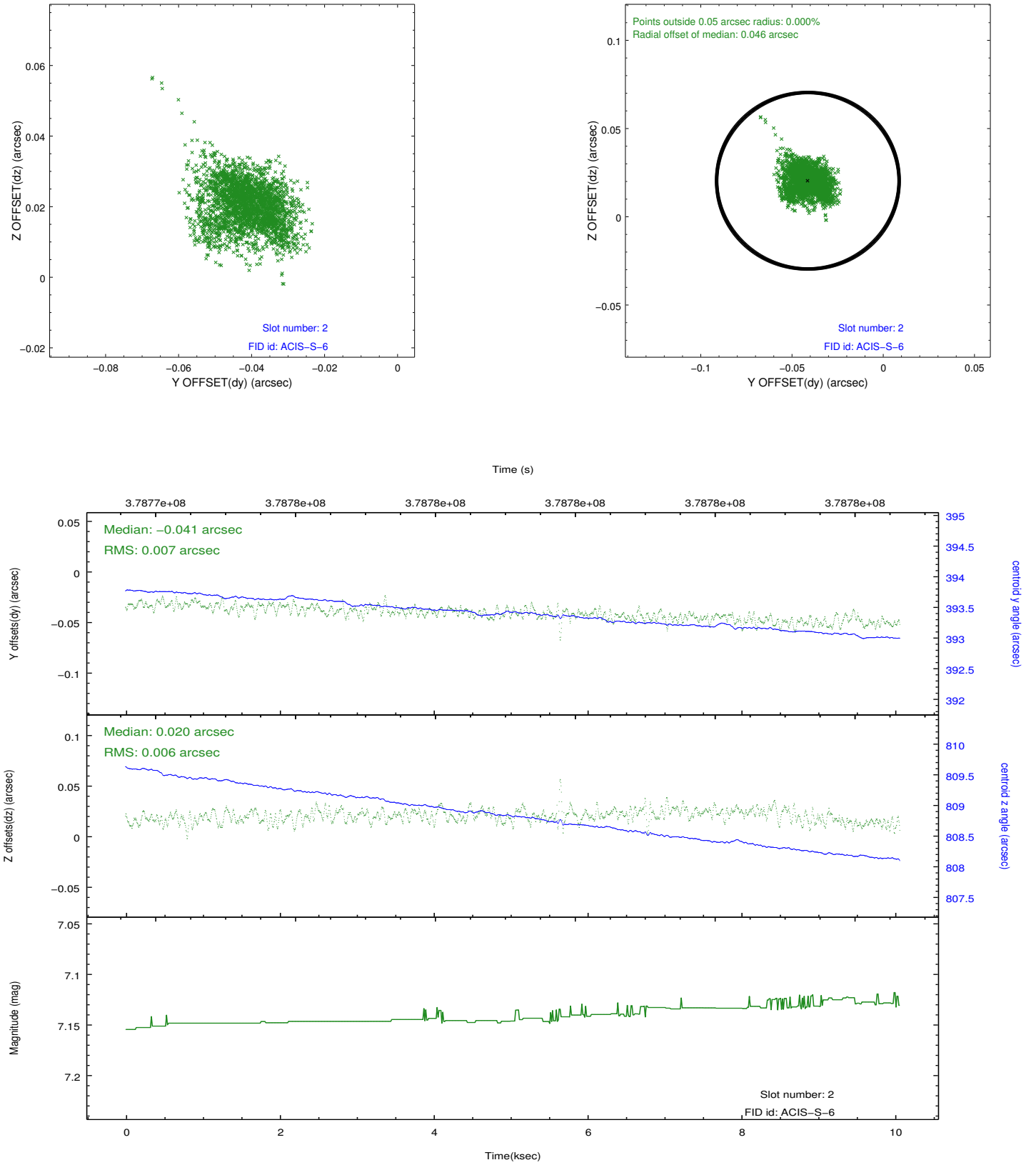
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.057599962592

A.2 Comments