

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8232 - L2 Version 3
Chandra X-Ray Center

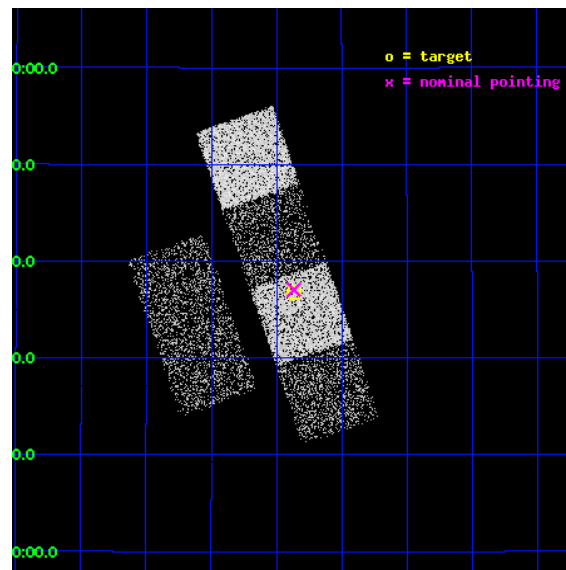
L2 Processing Date : Apr 21 2012

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

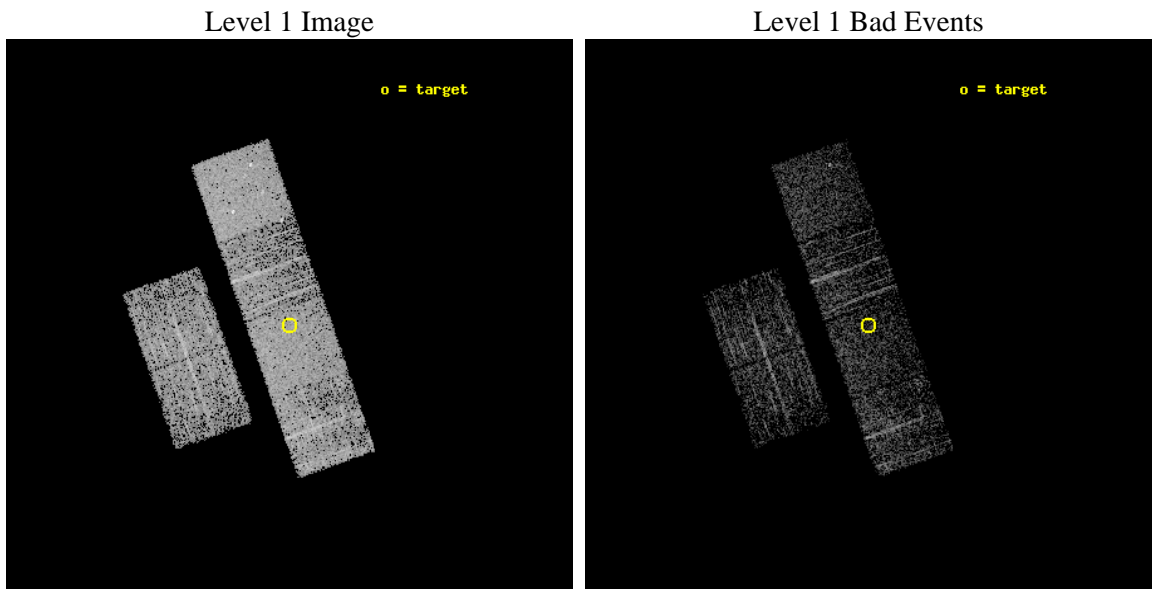
seq_num	900722	Sequence number
obs_id	8232	Observation id
title	Chandra Identification of Compact ASCA Galactic Objects - Part II	
observer	Dr. Stephen Murray	Principal investigator
object	AX J194622+2436	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	296.592917	Observer's specified target RA [deg]
dec_targ	24.613	Observer's specified target Dec [deg]
ra_nom	296.59180338201	Nominal RA [deg]
dec_nom	24.61752603986	Nominal Dec [deg]
roll_nom	70.726904615828	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1353.0828132033	Sum of GTIs [s]
livetime	1335.9492638939	Livetime [s]
ontime2	1353.1238532066	Sum of GTIs [s]
ontime3	1352.9596931934	Sum of GTIs [s]
ontime5	1353.0417732	Sum of GTIs [s]
ontime6	1353.0007331967	Sum of GTIs [s]
ontime7	1353.0828132033	Sum of GTIs [s]
ontime8	1352.9186531901	Sum of GTIs [s]
l2events	20840	Number of level 2 events



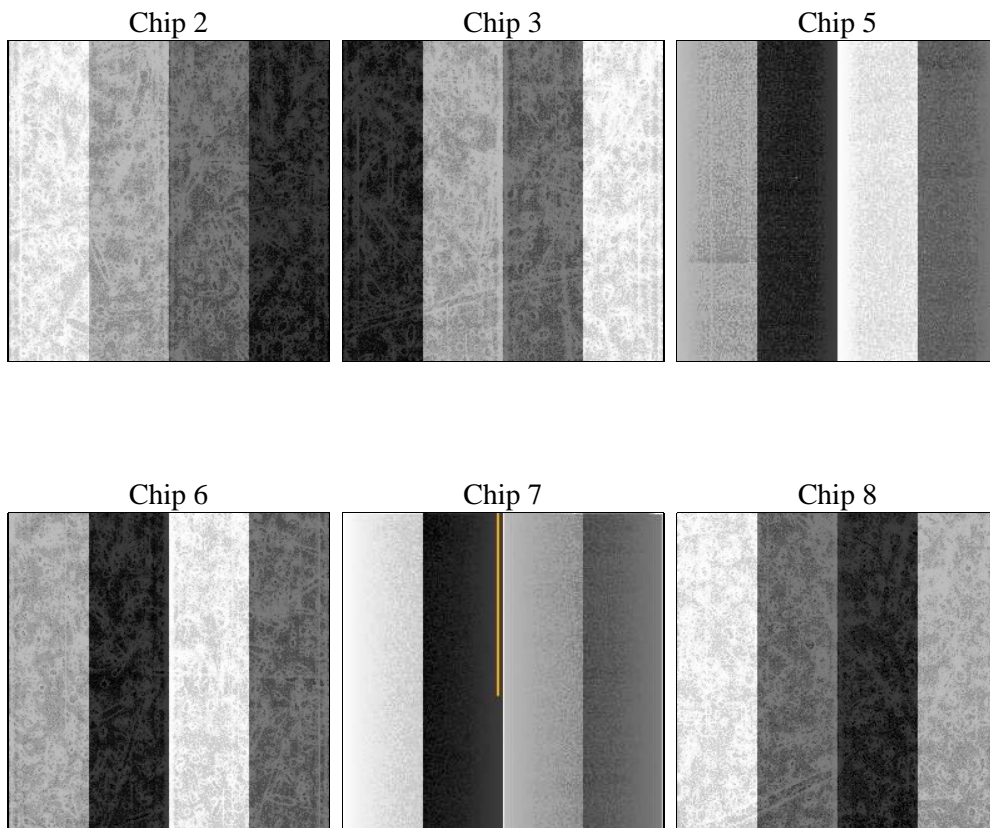
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1353.0828132033	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1353.1238532066	Sum of GTIs [s]
date	2012-04-21T13:18:12	Date and time of file creation	ontime3	1352.9596931934	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1353.0417732	Sum of GTIs [s]
			ontime6	1353.0007331967	Sum of GTIs [s]
			ontime7	1353.0828132033	Sum of GTIs [s]
			ontime8	1352.9186531901	Sum of GTIs [s]
			l1events	90437	Number of level 1 events

2.1.4 Events

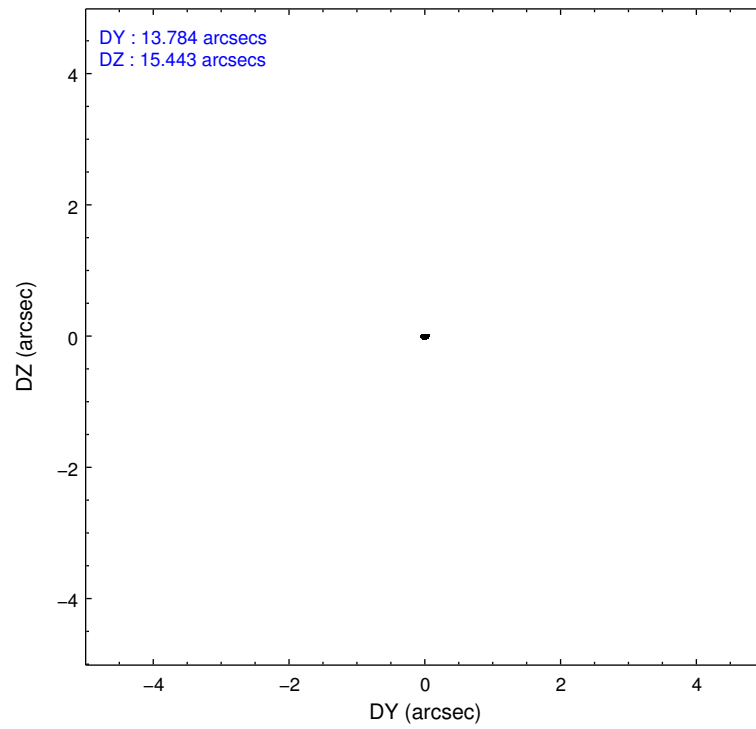
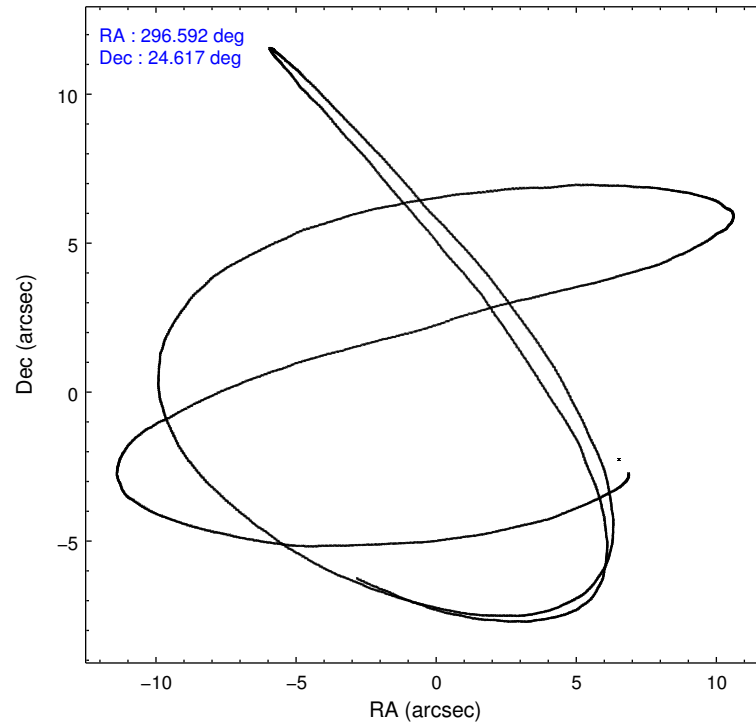
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13087	11682	19981	13002	16848	15837
rejected events	11532	10244	10615	11492	9718	12063
rejected %	88%	87%	53%	88%	57%	76%

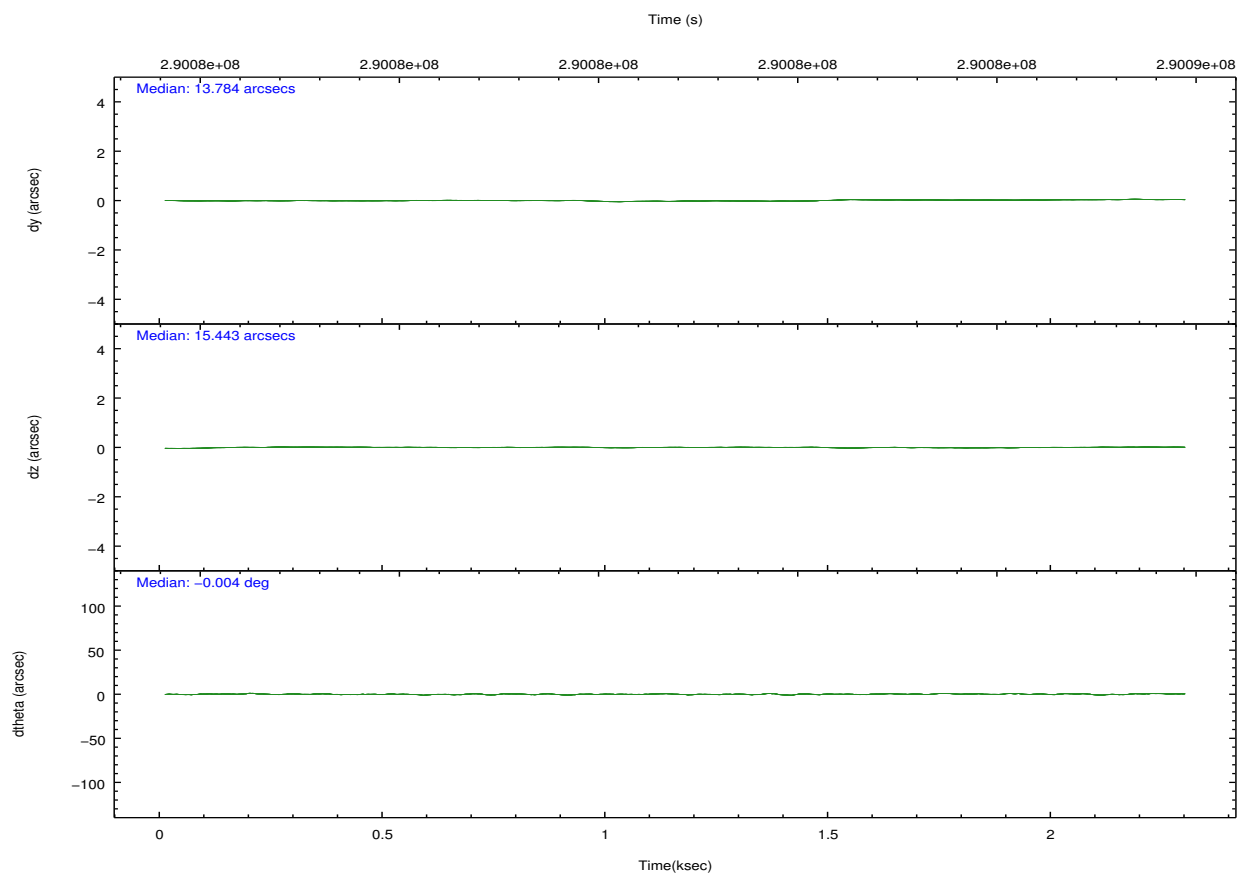
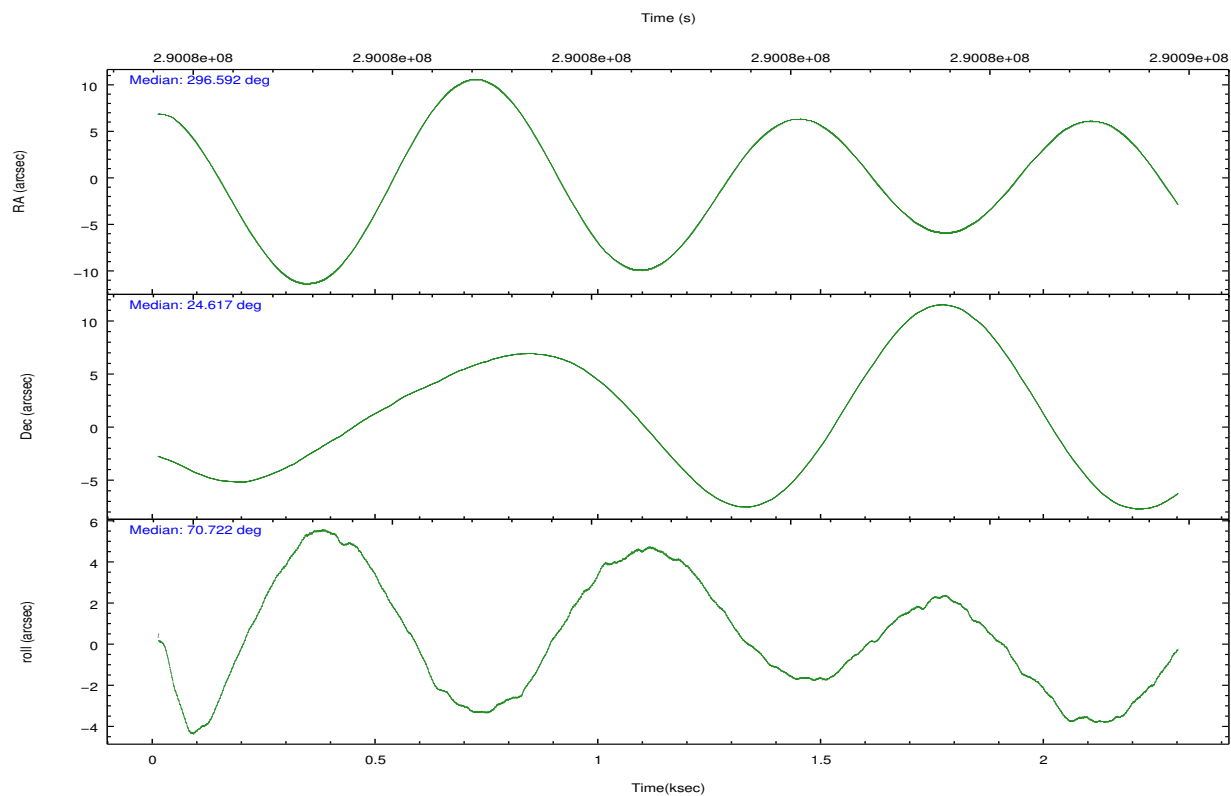
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	663	631	984	595	656	1247
	5%	5%	4%	4%	3%	7%
grade 1 events	7	4	46	7	19	14
	0%	0%	0%	0%	0%	0%
grade 2 events	332	319	2942	334	1416	829
	2%	2%	14%	2%	8%	5%
grade 3 events	133	140	371	154	600	413
	1%	1%	1%	1%	3%	2%
grade 4 events	161	126	323	124	627	386
	1%	1%	1%	0%	3%	2%
grade 5 events	484	555	1485	568	1626	743
	3%	4%	7%	4%	9%	4%
grade 6 events	269	231	4796	312	3860	916
	2%	1%	24%	2%	22%	5%
grade 7 events	11038	9676	9034	10908	8044	11289
	84%	82%	45%	83%	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	296.597773	296.5918033820144	CCD I2 on	O2	Y
[deg] Pointing Dec	24.590950	24.61752603986049	CCD I3 on	O3	Y
[deg] Pointing Roll	70.567802	70.726904615828	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)	290083942.184000	290082628.53143	CCD S5 on	N	N
Observation start date	2007-03-12T10:51:17	2007-03-12T10:30:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	290085342.184000	290086362.60661	On-chip summing requested	N	N
Observation end date	2007-03-12T11:14:37	2007-03-12T11:32:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



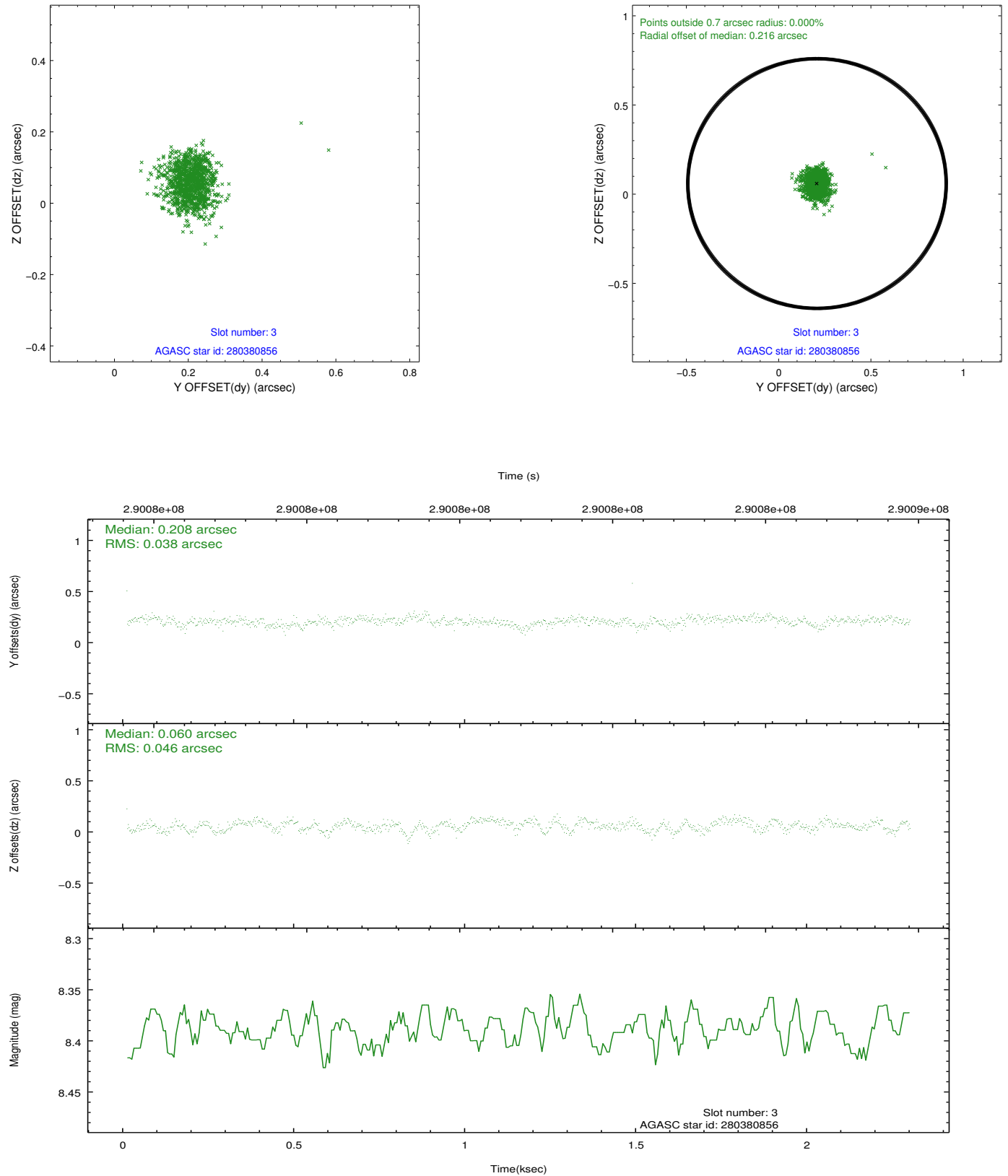


Slot Statistics

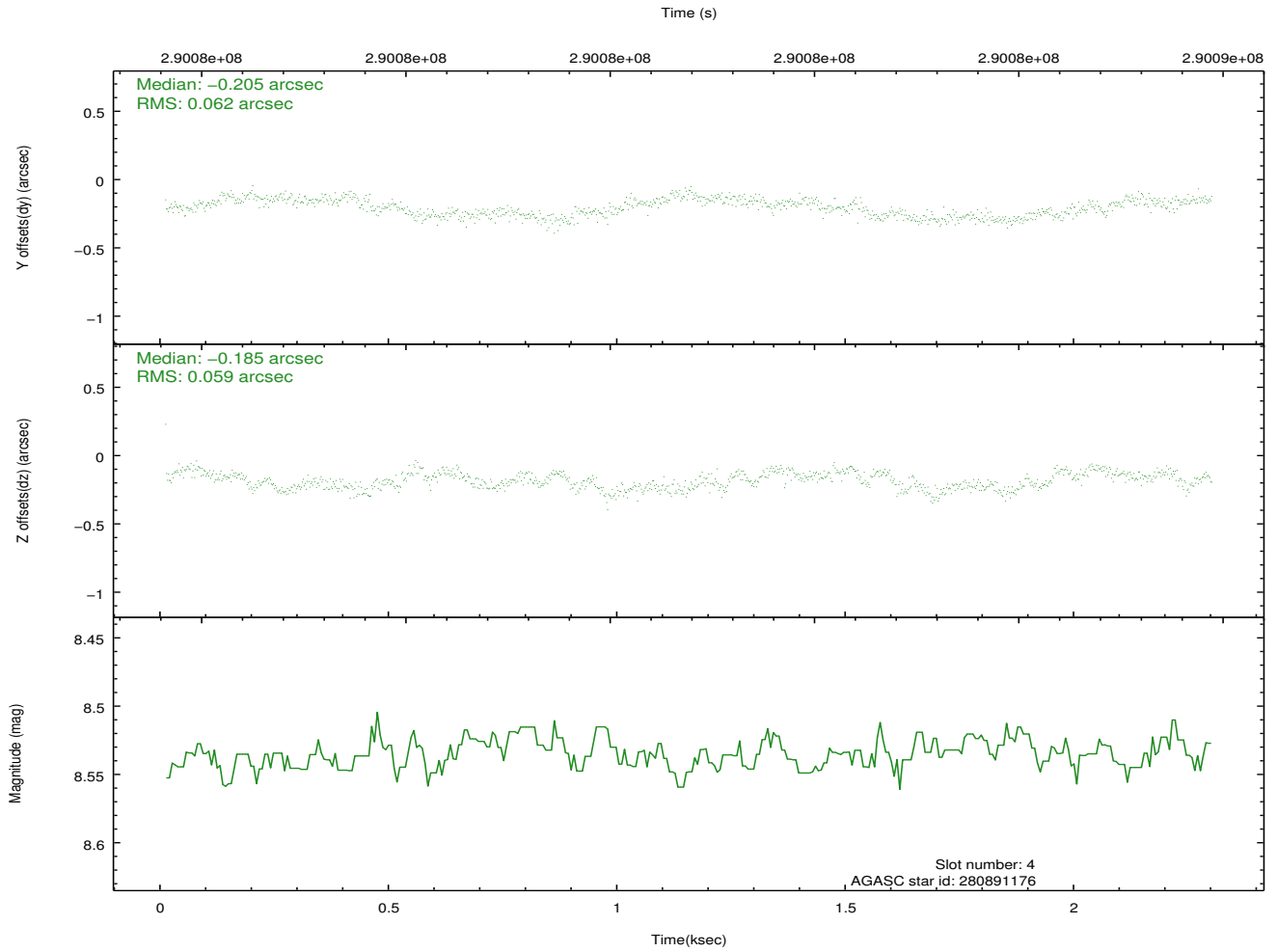
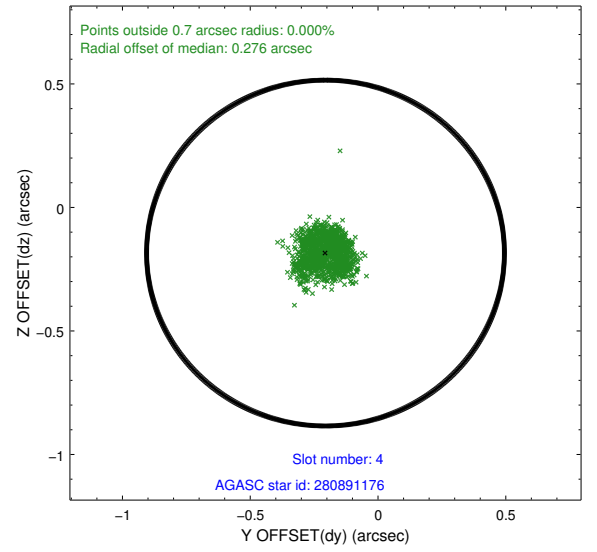
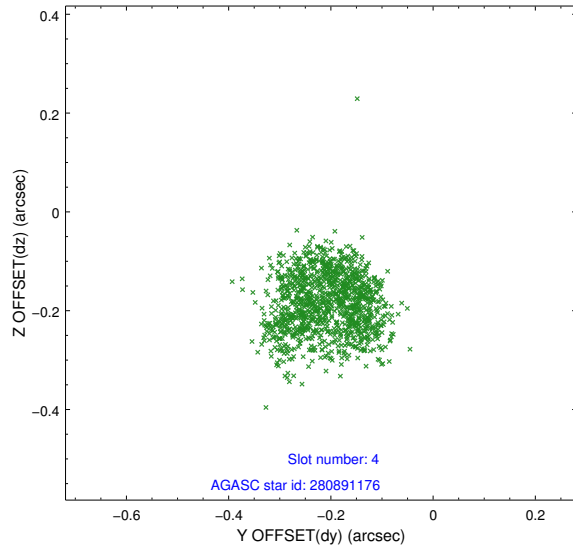
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	559	-0.109	-0.083	0.005	0.010	0.000000	0.000000	-766.85	-1736.86
1	FID	ACIS-S-4	7.19	559	0.125	0.045	0.006	0.011	0.000000	0.000000	2145.38	168.78
2	FID	ACIS-S-6	7.32	559	-0.045	0.045	0.007	0.011	0.000000	0.000000	398.86	809.43
3	GUIDE	280380856	8.39	1118	0.208	0.060	0.062	0.101	296.852669	23.928202	-1969.14	-1584.05
4	GUIDE	280891176	8.54	1118	-0.205	-0.185	0.093	0.137	296.119589	25.255557	1739.70	2264.25
5	GUIDE	280899136	7.95	1118	-0.041	-0.140	0.058	0.091	296.556857	25.166994	1913.53	818.14
6	GUIDE	281024880	8.18	1118	-0.060	0.152	0.051	0.079	297.249854	24.704600	1103.03	-1871.91
7	GUIDE	280371536	7.72	1117	0.103	0.113	0.049	0.082	296.475557	24.096387	-1810.47	-214.71

2.4 Star Slots

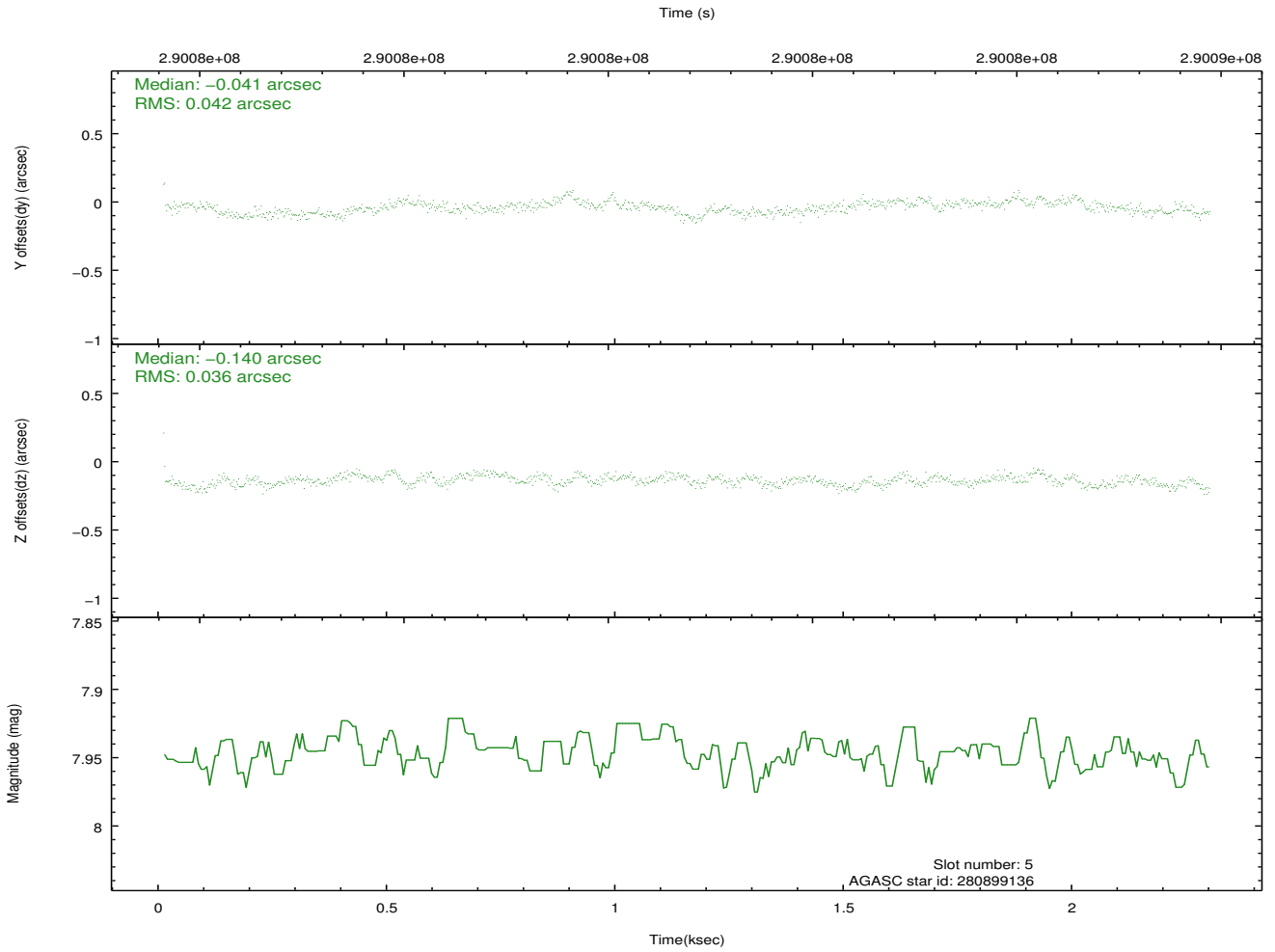
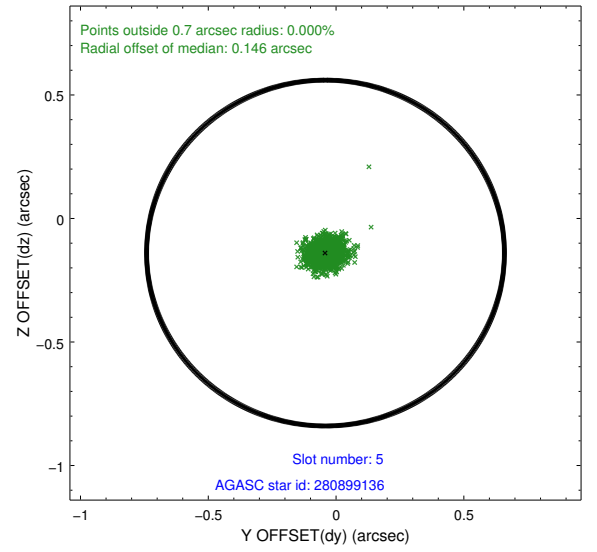
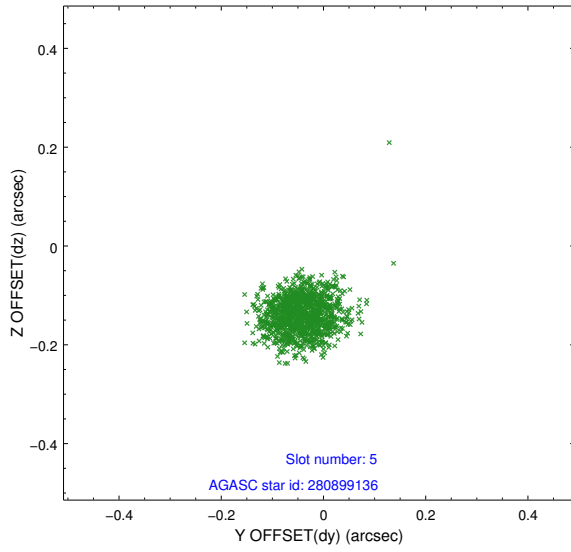
2.4.1 Slot 3



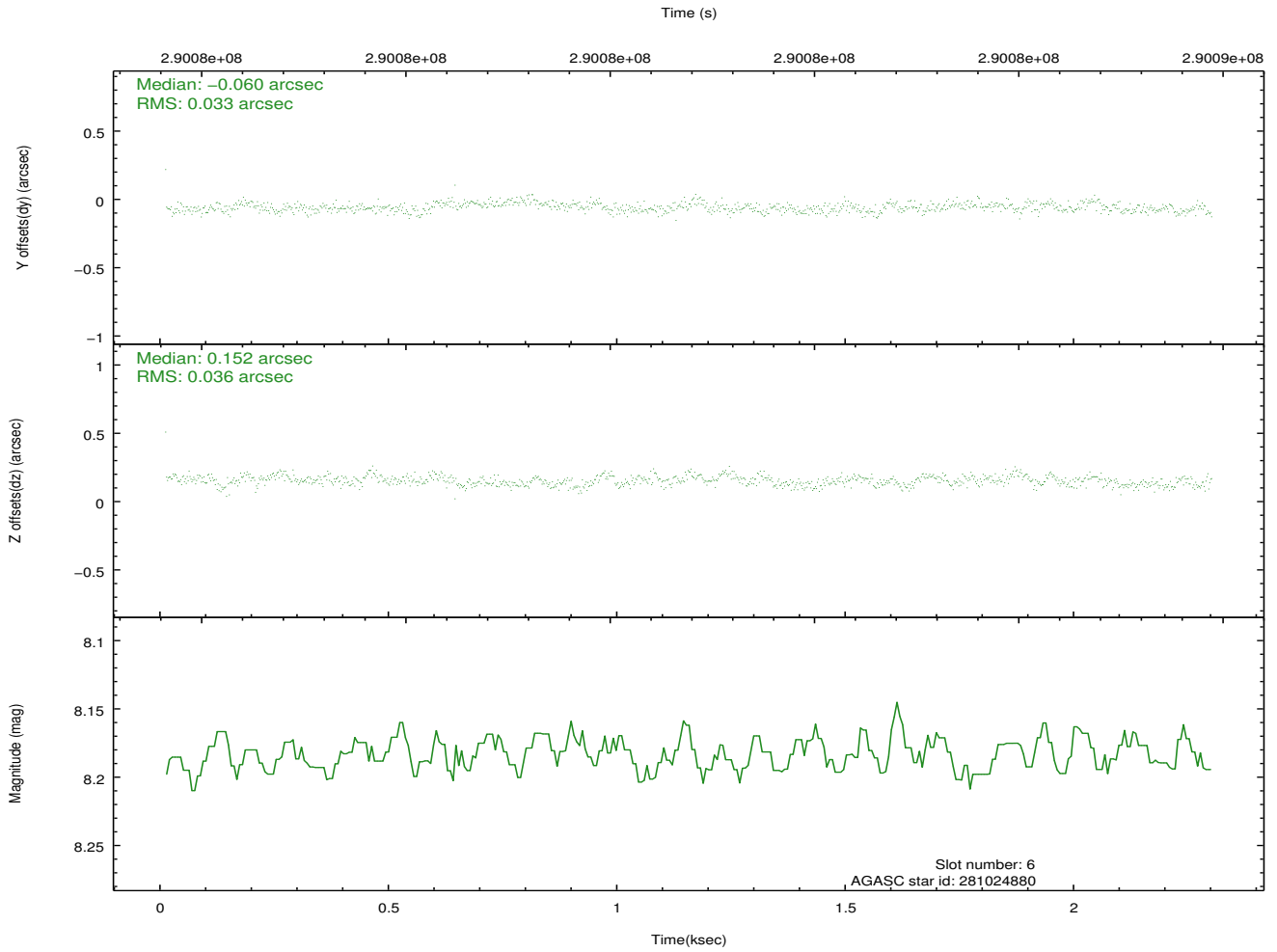
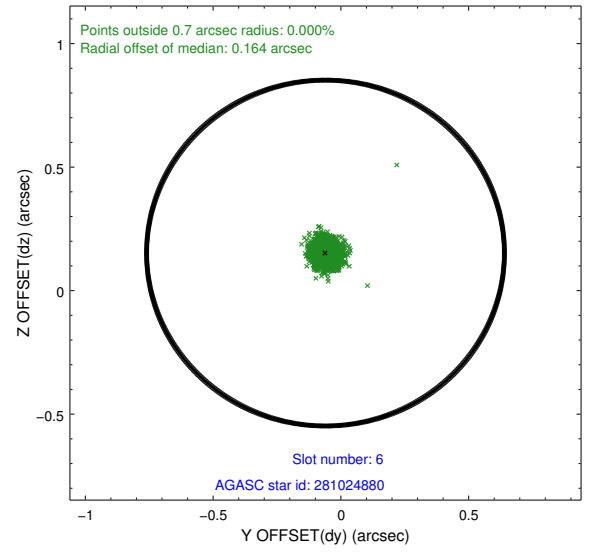
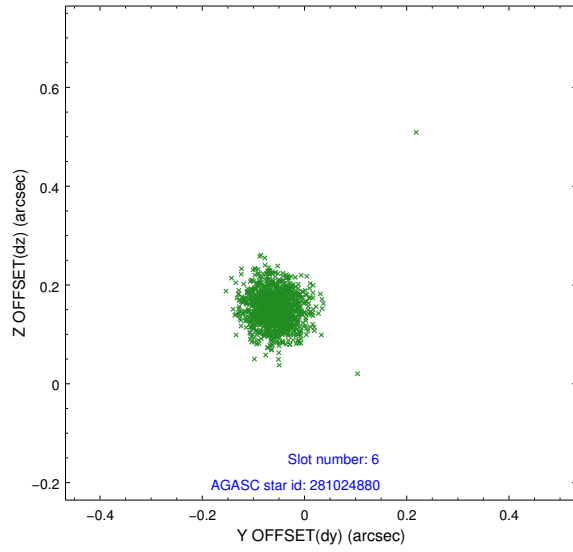
2.4.2 Slot 4



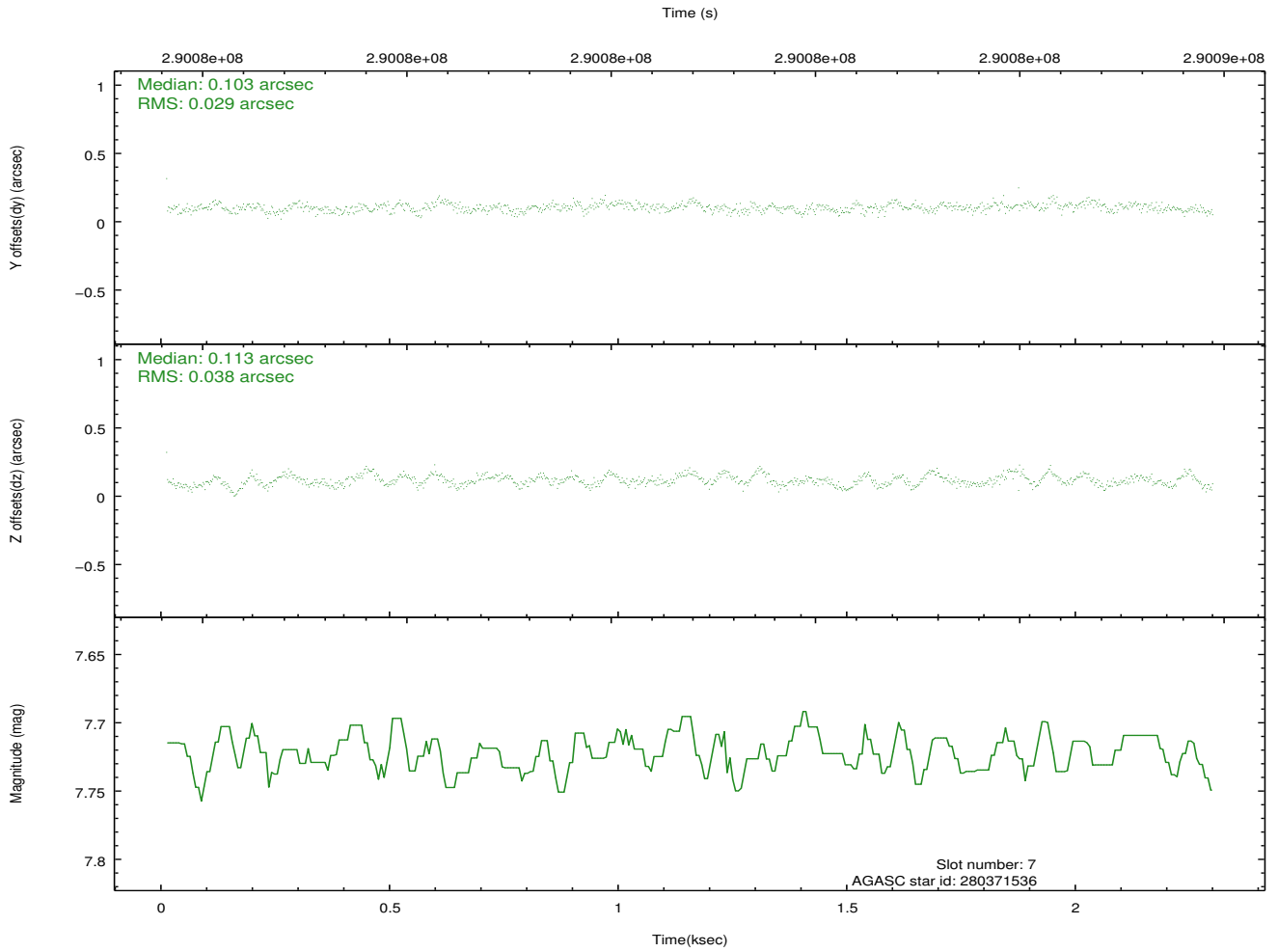
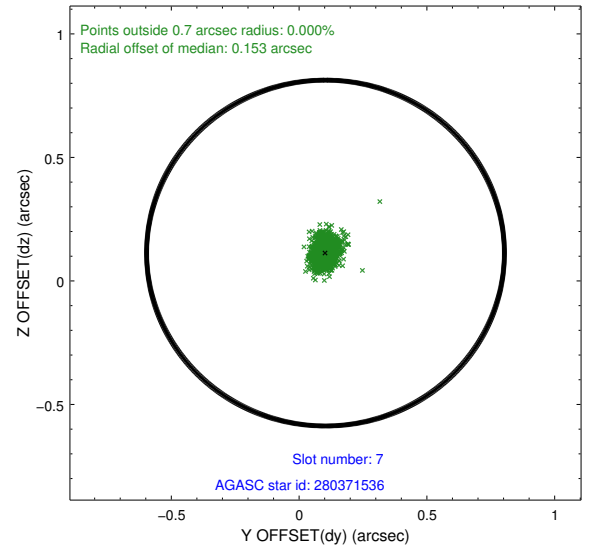
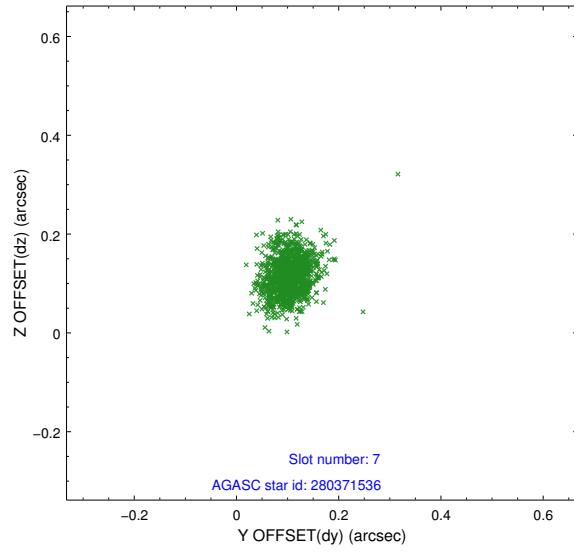
2.4.3 Slot 5



2.4.4 Slot 6

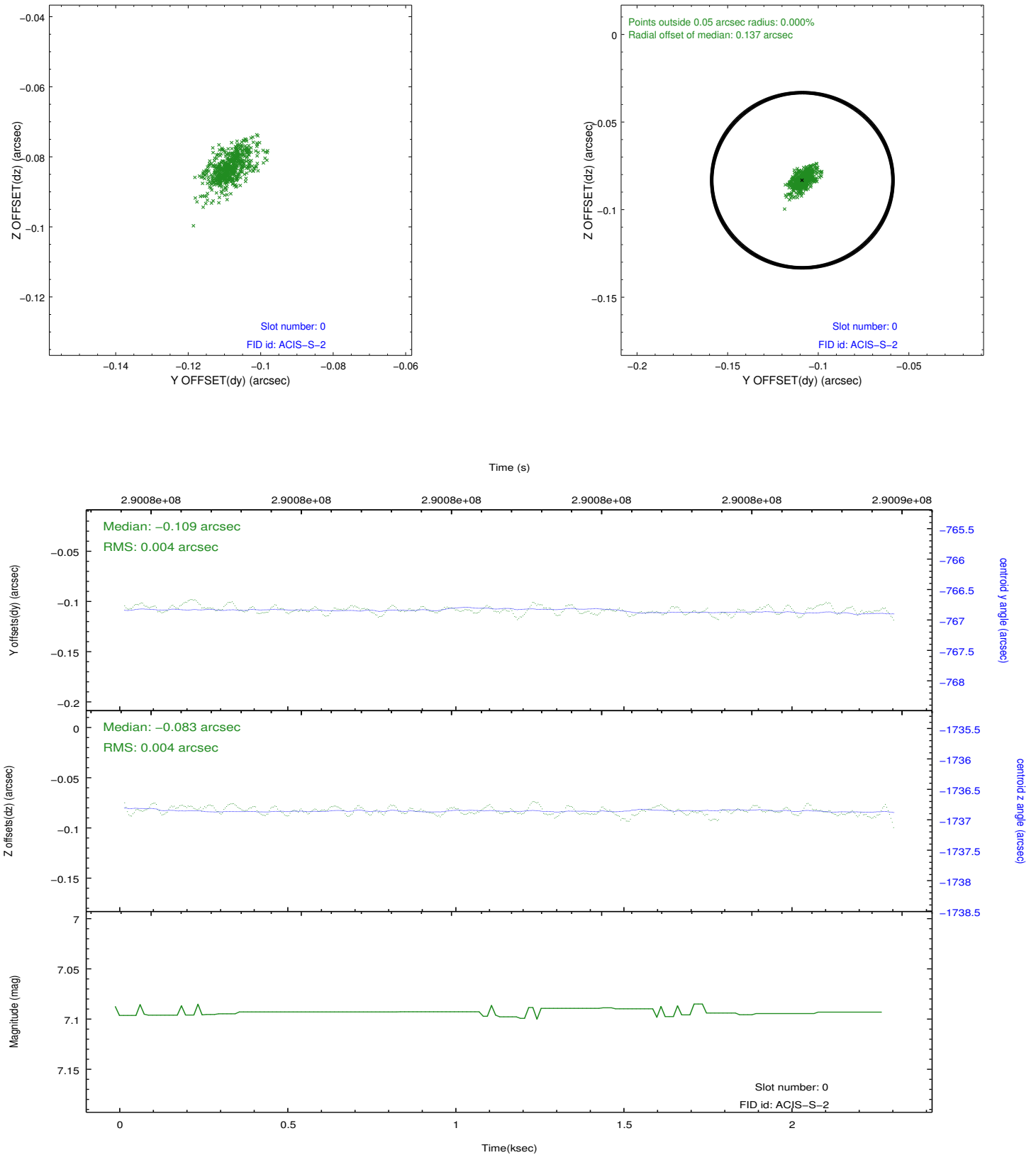


2.4.5 Slot 7

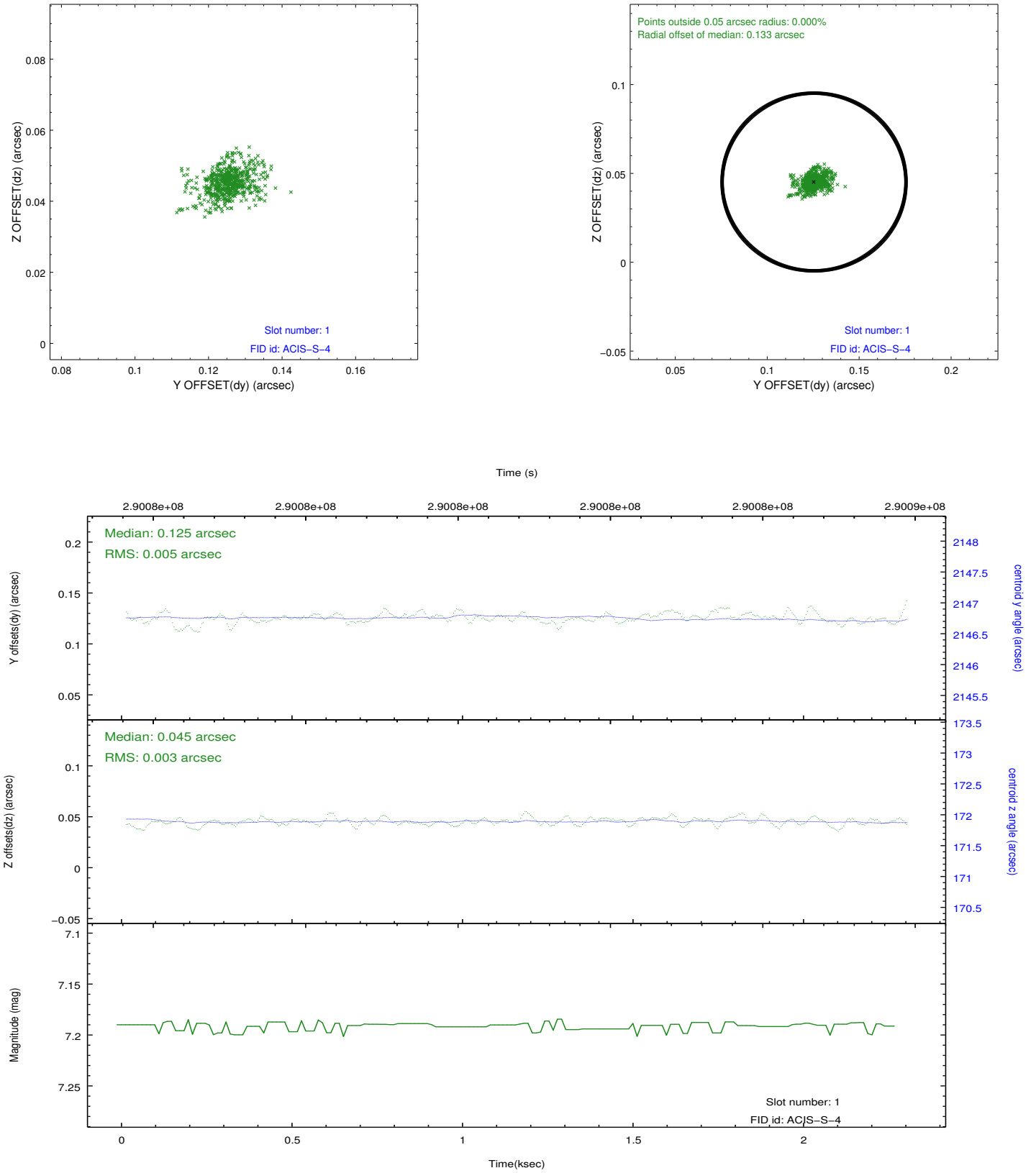


2.5 FID Slots

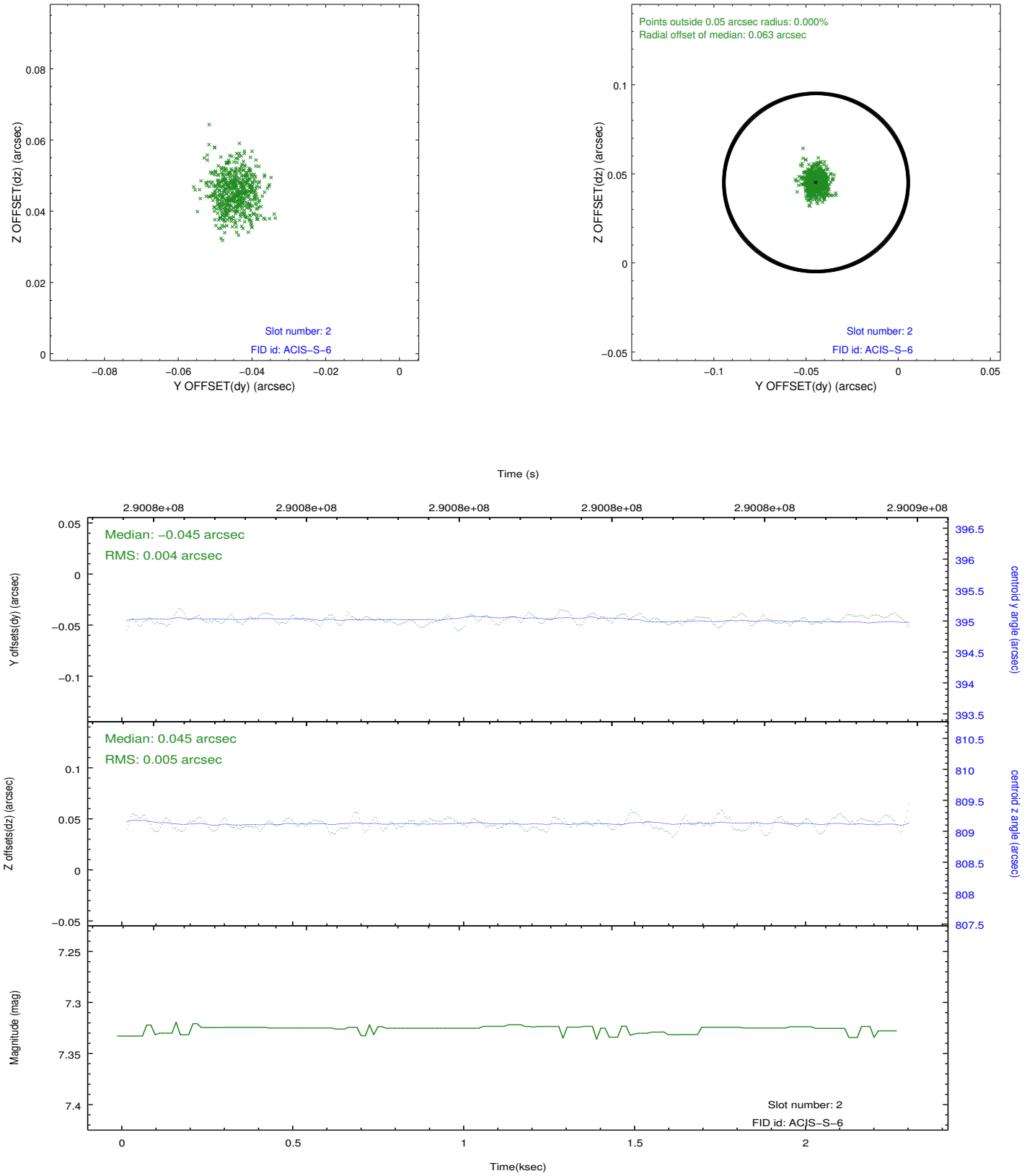
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.35359999

A.2 Comments