

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 6605 - L2 Version 3
Chandra X-Ray Center

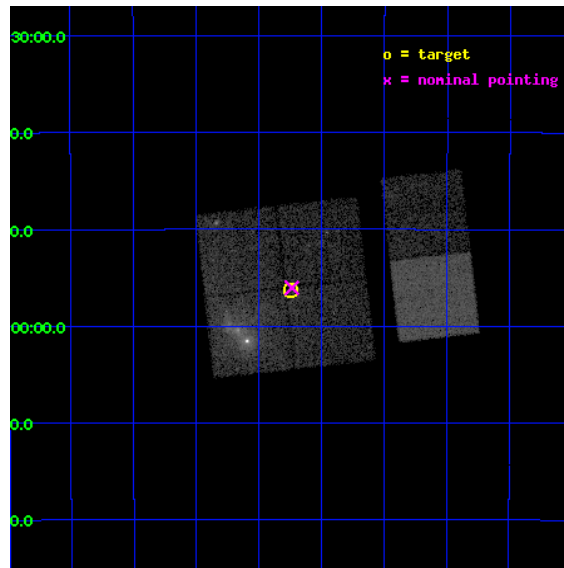
L2 Processing Date : Apr 24 2012

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

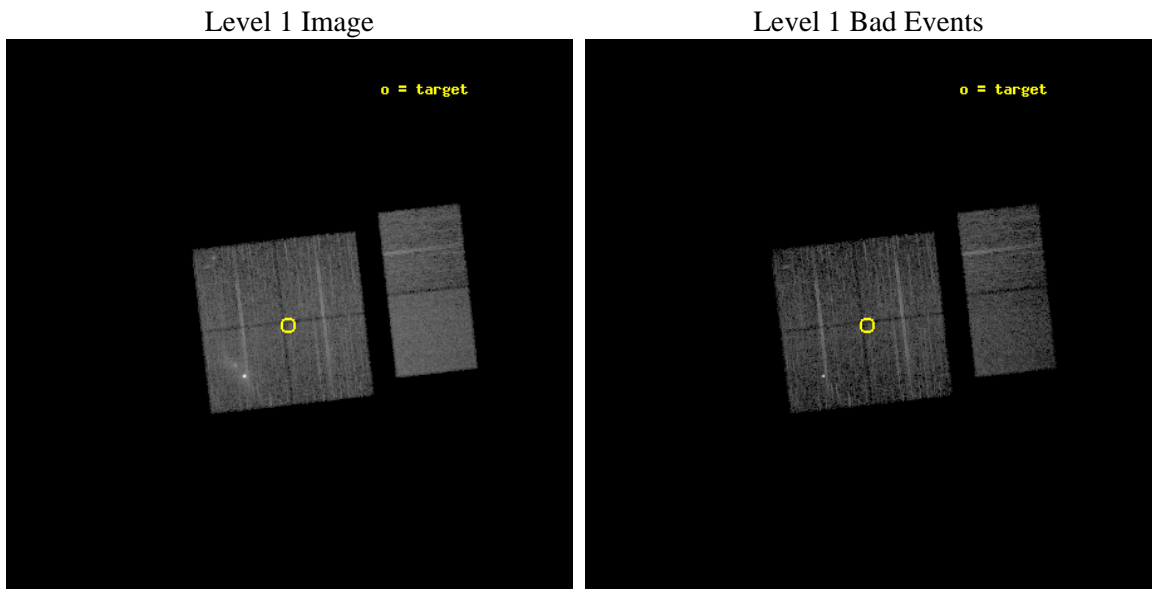
seq_num	400510	Sequence number
obs_id	6605	Observation id
title	Chandra observations of enigmatic X-ray and radio transients	Propo
observer	Dr. Rudy Wijnands	Principal investigator
object	GRS 1741.9-2853	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.31125	Observer's specified target RA [deg]
dec_targ	-28.938889	Observer's specified target Dec [deg]
ra_nom	266.30904591123	Nominal RA [deg]
dec_nom	-28.934310518615	Nominal Dec [deg]
roll_nom	83.481942690768	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5177.5999807715	Sum of GTIs [s]
livetime	5112.0380922386	Livetime [s]
ontime0	5177.5999807715	Sum of GTIs [s]
ontime1	5177.5999807715	Sum of GTIs [s]
ontime2	5177.5999807715	Sum of GTIs [s]
ontime3	5177.5999807715	Sum of GTIs [s]
ontime6	5177.5999807715	Sum of GTIs [s]
ontime7	5177.5999807715	Sum of GTIs [s]
l2events	82622	Number of level 2 events



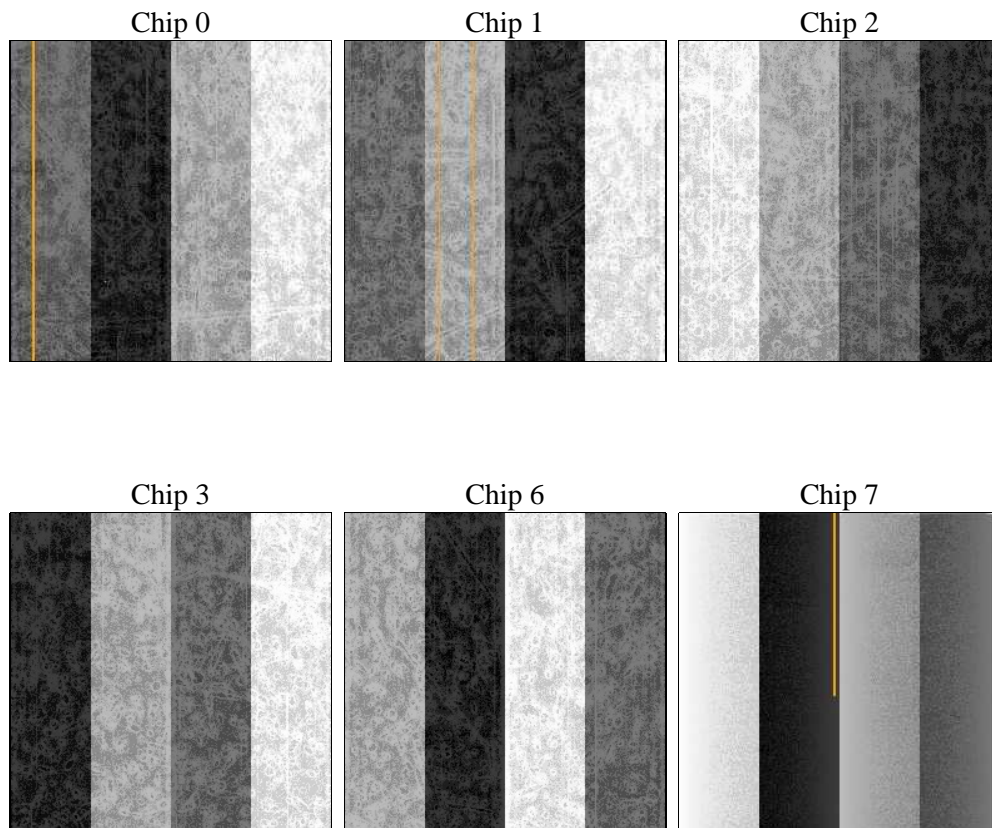
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5177.5999807715	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5177.5999807715	Sum of GTIs [s]
date	2012-04-24T08:52:38	Date and time of file creation	ontime1	5177.5999807715	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5177.5999807715	Sum of GTIs [s]
			ontime3	5177.5999807715	Sum of GTIs [s]
			ontime6	5177.5999807715	Sum of GTIs [s]
			ontime7	5177.5999807715	Sum of GTIs [s]
			l1events	394336	Number of level 1 events

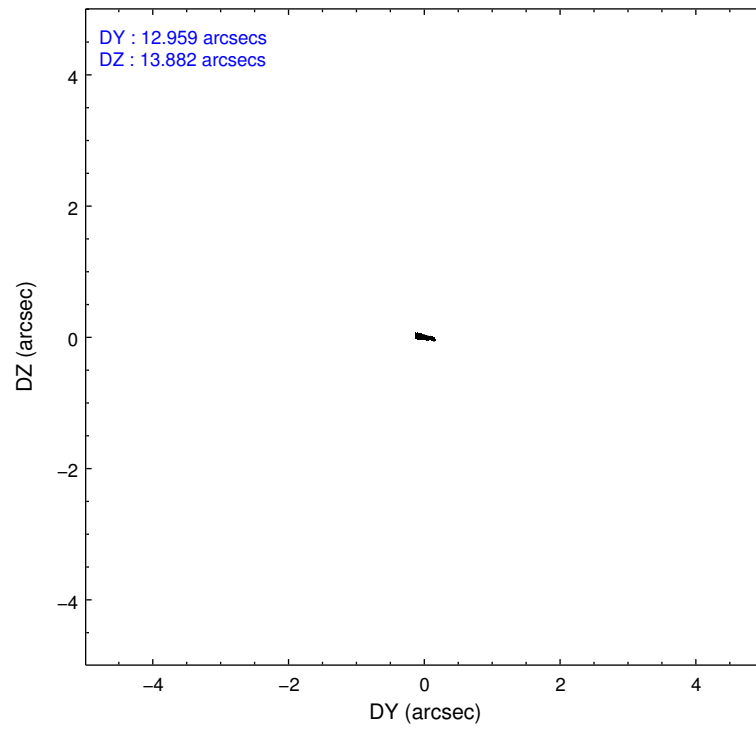
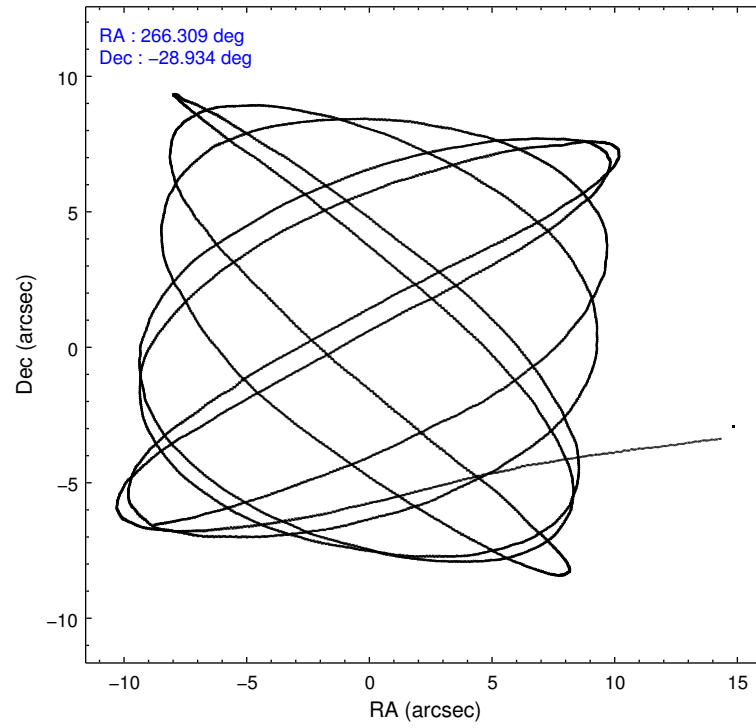
2.1.4 Events

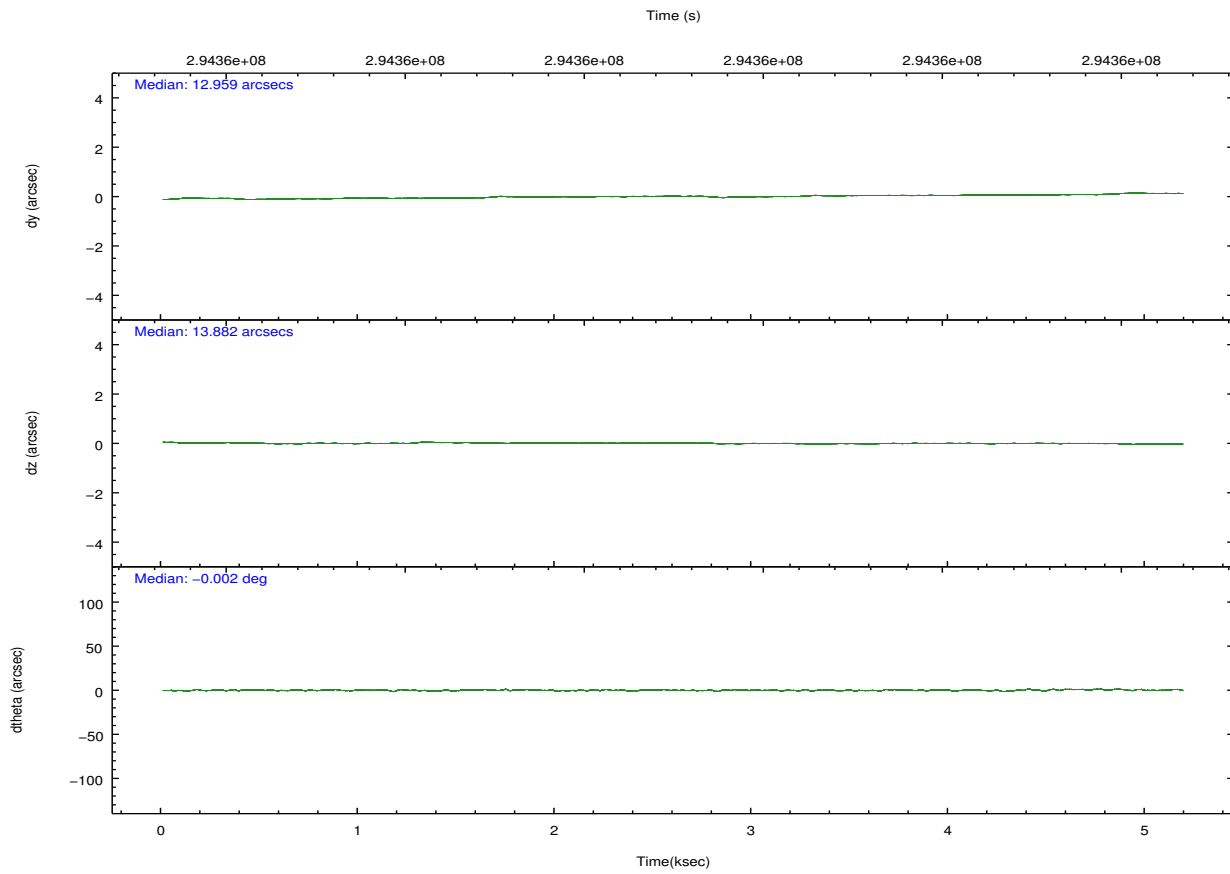
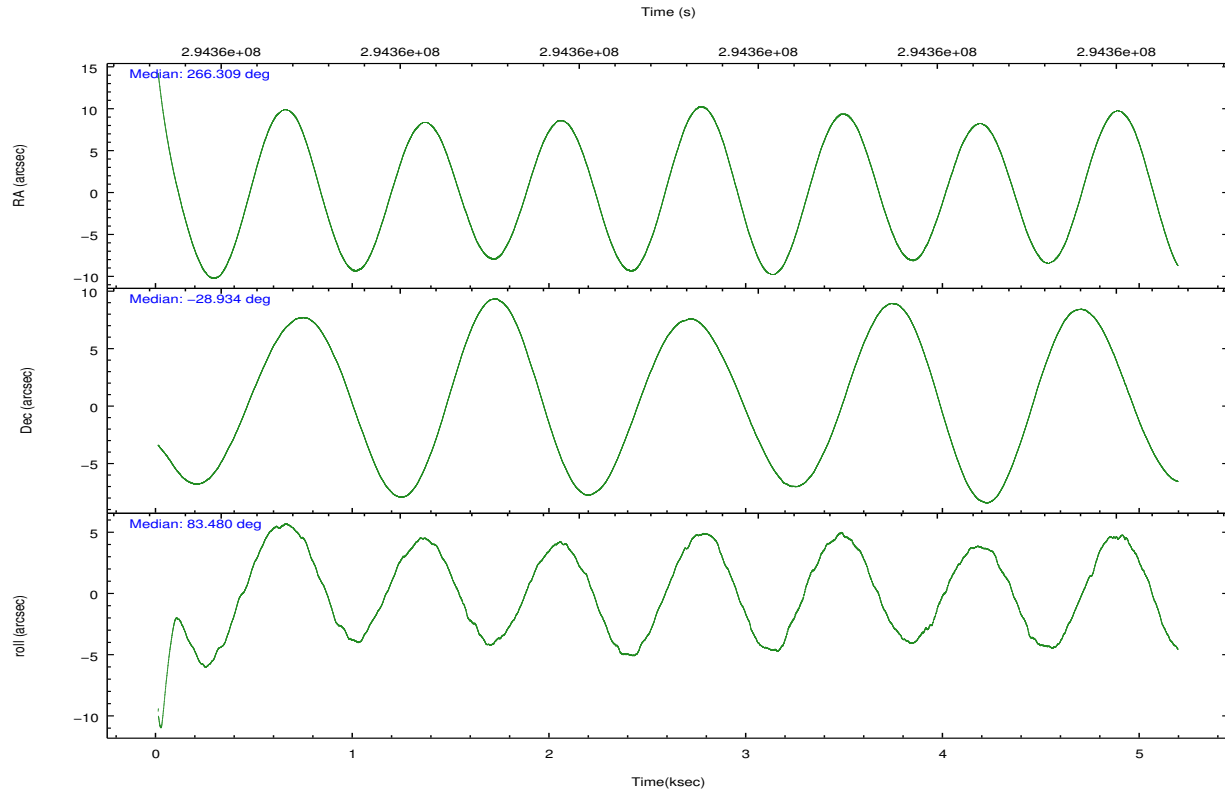
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	56649	79647	59800	58503	61537	78200	grade 0 events	5666	17732	4030	4493	3194	2888
rejected events	46825	49702	52509	50624	55034	50238		10%	22%	6%	7%	5%	3%
rejected %	82%	62%	87%	86%	89%	64%	grade 1 events	49	865	41	54	39	82
								0%	1%	0%	0%	0%	0%
							grade 2 events	2124	5707	1688	1672	1602	6666
								3%	7%	2%	2%	2%	8%
							grade 3 events	848	2211	747	737	691	2852
								1%	2%	1%	1%	1%	3%
							grade 4 events	840	2106	743	760	692	2710
								1%	2%	1%	1%	1%	3%
							grade 5 events	2393	3218	2259	2601	2842	7271
								4%	4%	3%	4%	4%	9%
							grade 6 events	1512	4027	1194	1324	1413	17658
								2%	5%	1%	2%	2%	22%
							grade 7 events	43217	43781	49098	46862	51064	38073
								76%	54%	82%	80%	82%	48%

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	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	266.321715	266.3090459112292	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.959442	-28.93431051861536	CCD I3 on	Y	Y
[deg] Pointing Roll	83.279409	83.48194269076802	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)	294356101.184000	294354583.75996	CCD S5 on	N	N
Observation start date	2007-04-30T21:33:56	2007-04-30T21:09:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	294361101.184000	294362221.54783	On-chip summing requested	N	N
Observation end date	2007-04-30T22:57:16	2007-04-30T23:17:01	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



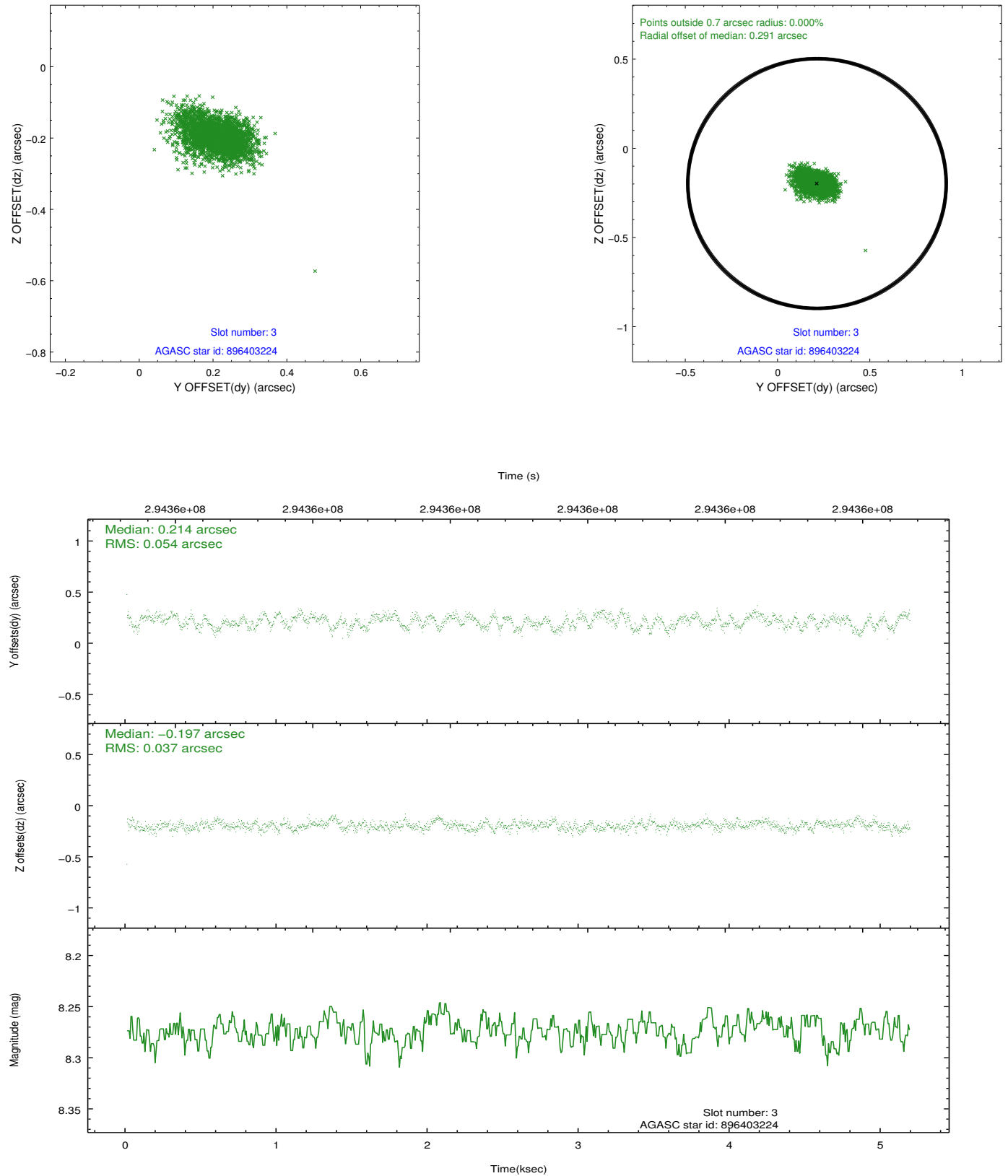


Slot Statistics

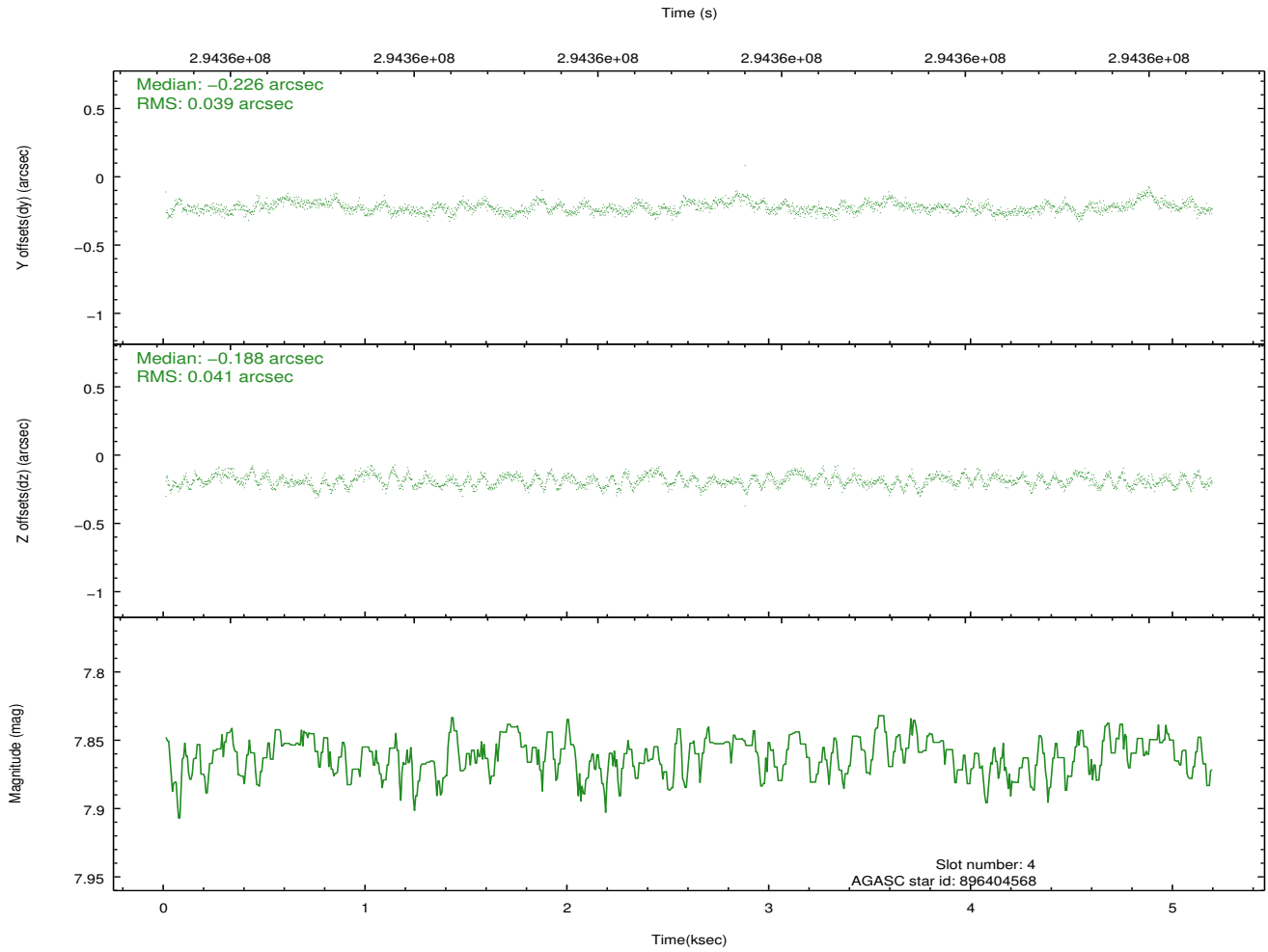
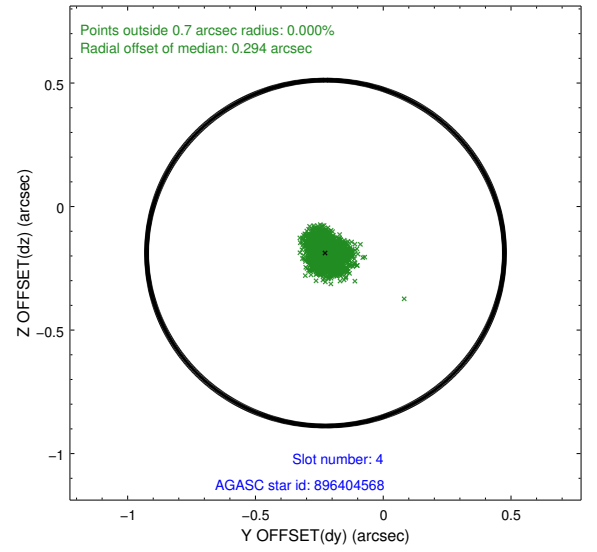
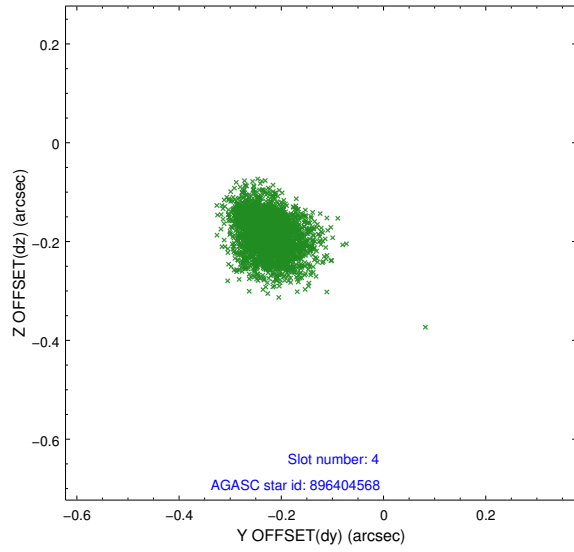
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	1265	-0.019	0.038	0.008	0.016	0.000000	0.000000	926.53	-837.42
1	FID	ACIS-I-4	7.17	1265	0.209	0.007	0.008	0.013	0.000000	0.000000	2147.47	1061.76
2	FID	ACIS-I-5	7.22	1264	-0.289	0.026	0.007	0.013	0.000000	0.000000	-1820.22	1060.99
3	GUIDE	896403224	8.27	2530	0.214	-0.197	0.068	0.114	265.612825	-29.438915	-1980.84	2004.18
4	GUIDE	896404568	7.86	2529	-0.226	-0.188	0.060	0.095	265.687293	-28.431080	1647.87	2217.39
5	GUIDE	896533888	7.03	2529	0.157	0.214	0.047	0.071	266.666434	-29.392757	-1423.18	-1255.53
6	GUIDE	896538696	6.89	2530	-0.366	-0.051	0.040	0.065	266.298470	-28.325572	2256.91	339.78
7	GUIDE	896541360	7.72	2529	0.222	0.218	0.055	0.085	266.684478	-29.453744	-1634.55	-1337.52

2.4 Star Slots

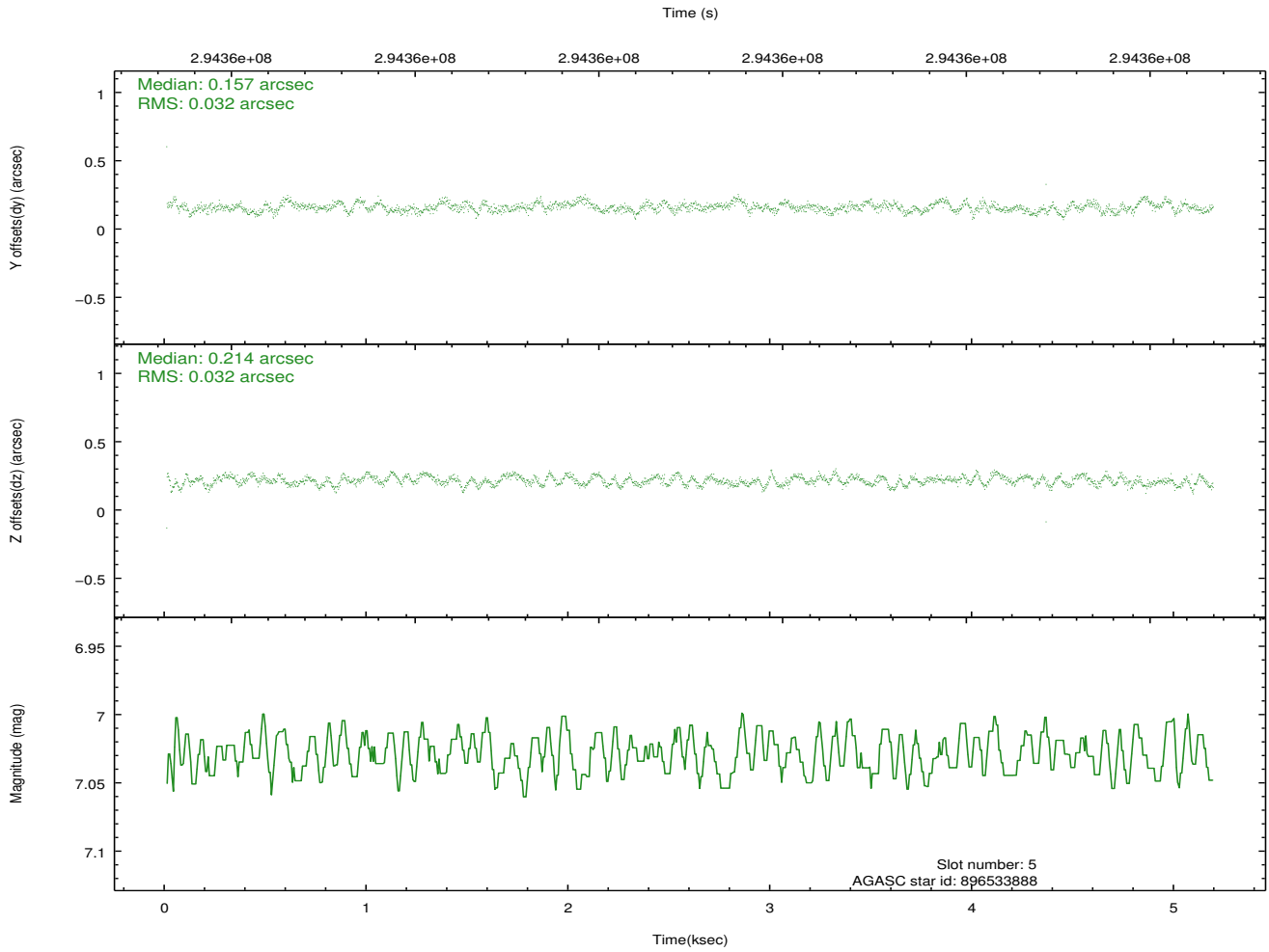
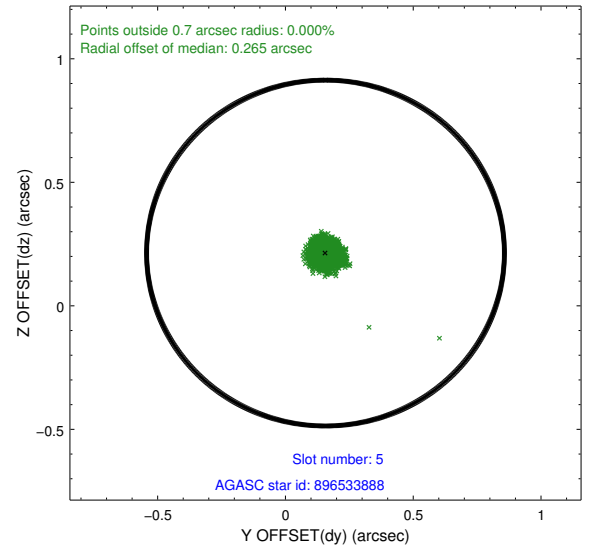
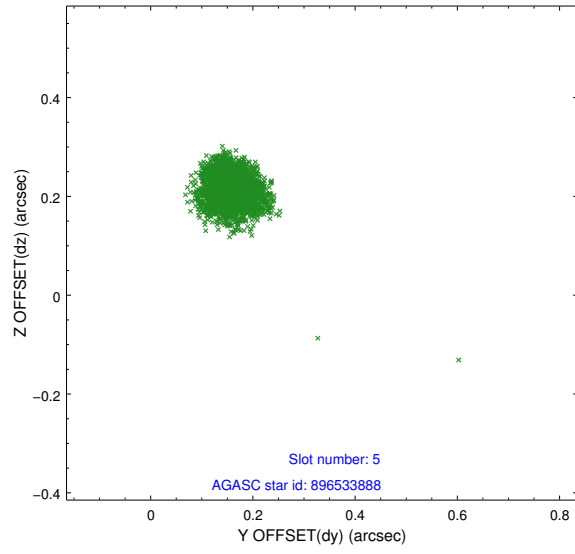
2.4.1 Slot 3



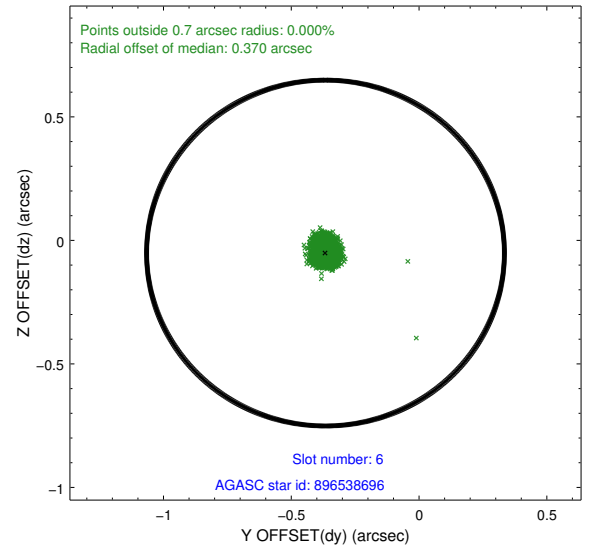
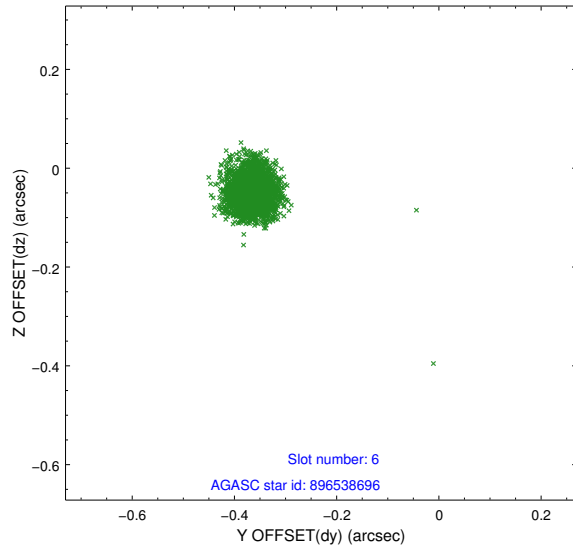
2.4.2 Slot 4



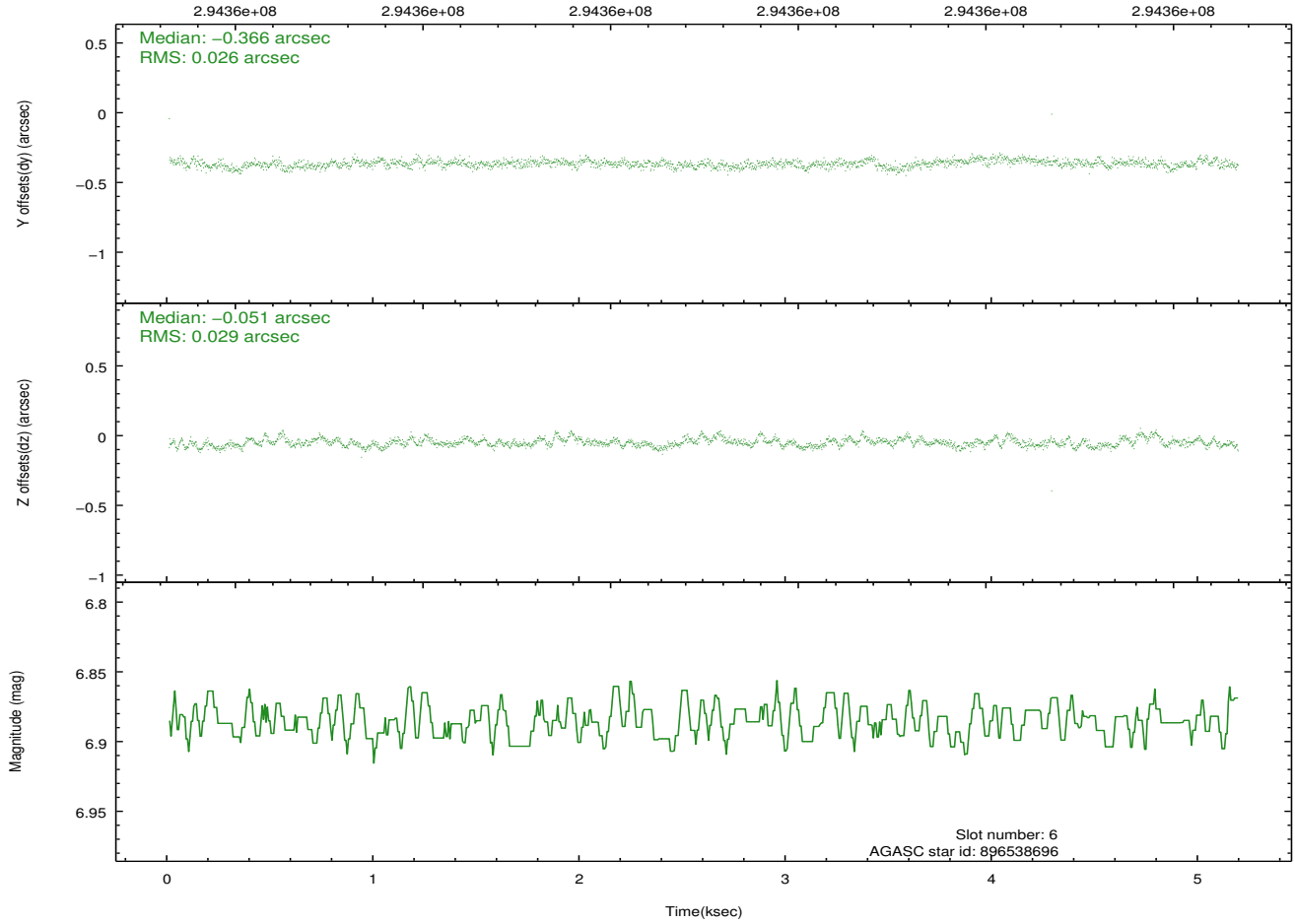
2.4.3 Slot 5



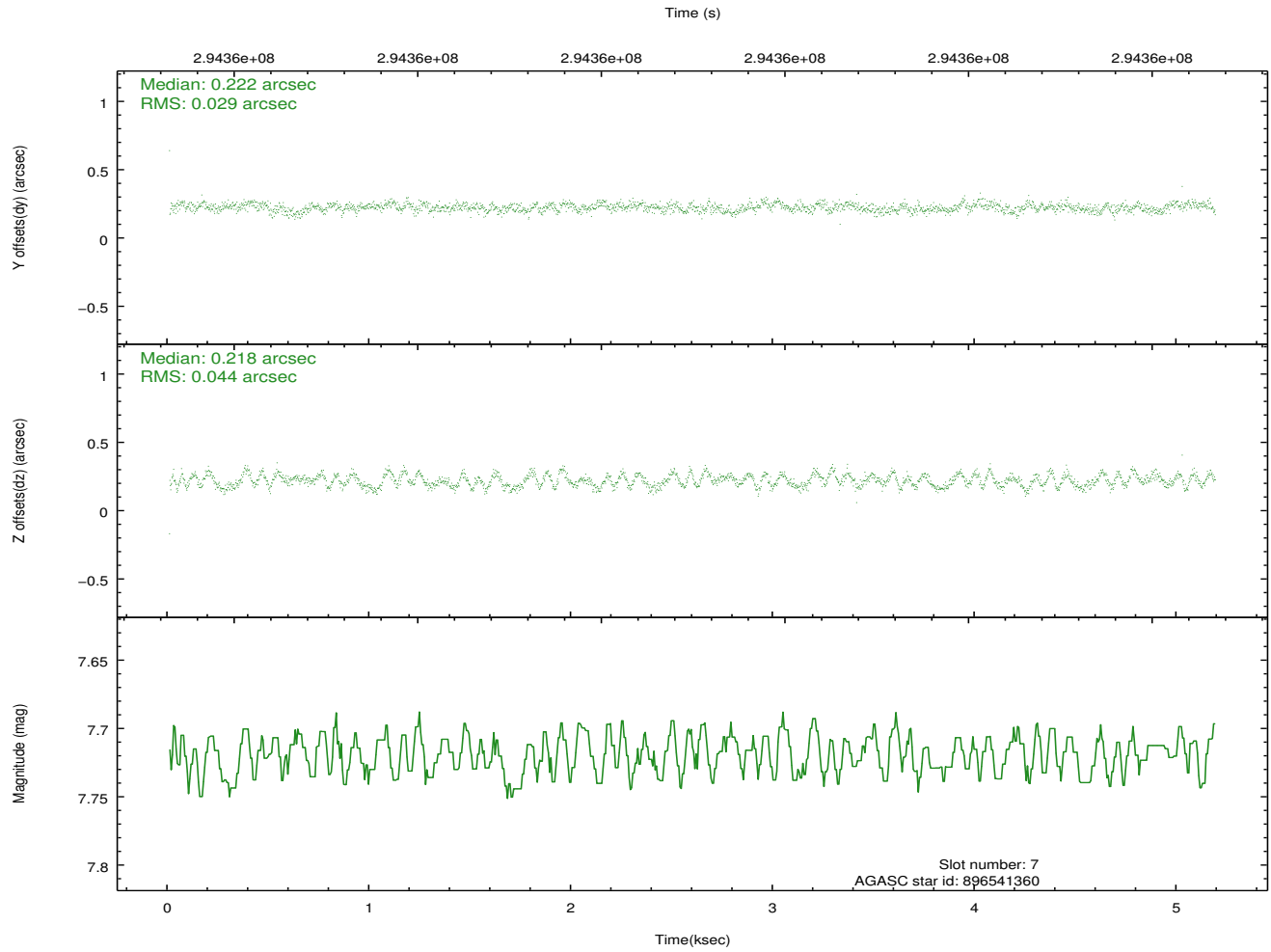
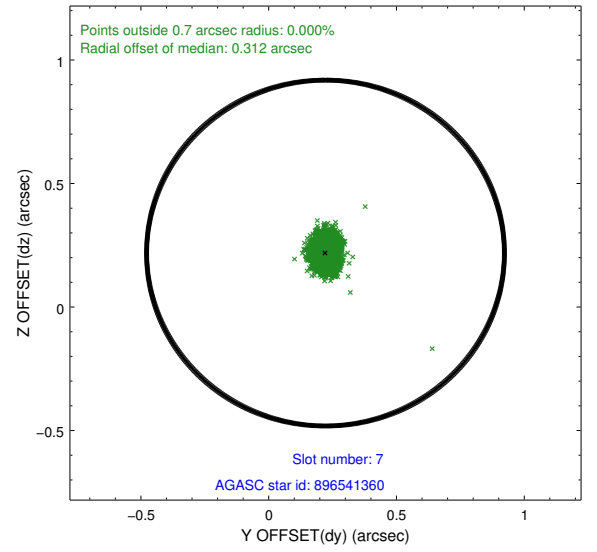
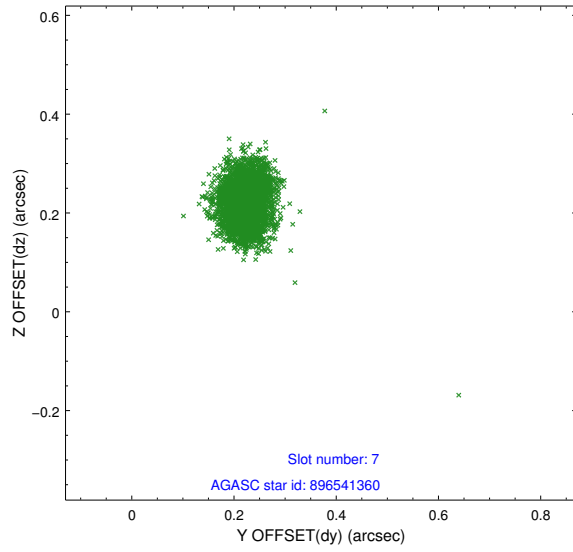
2.4.4 Slot 6



Time (s)

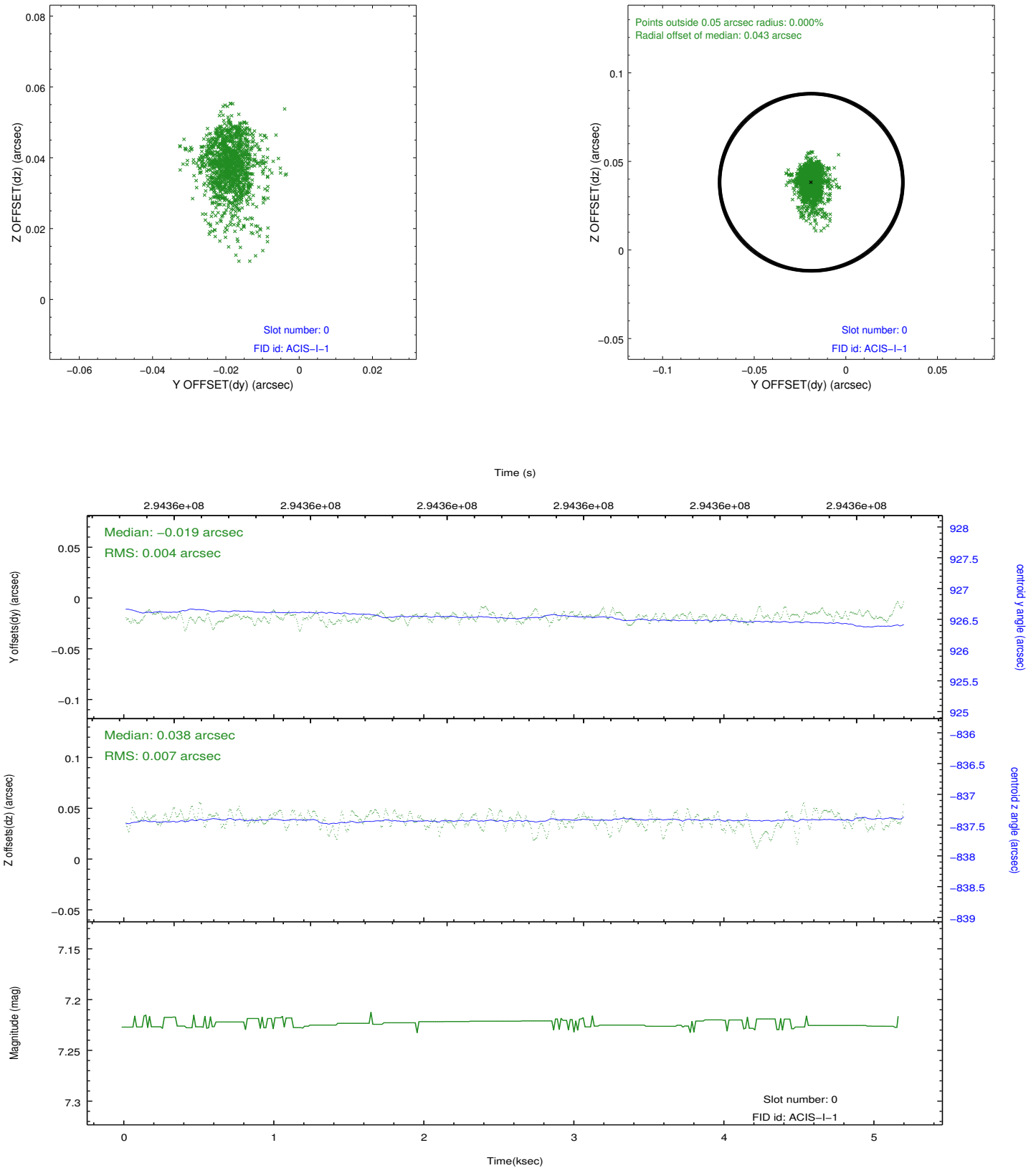


2.4.5 Slot 7

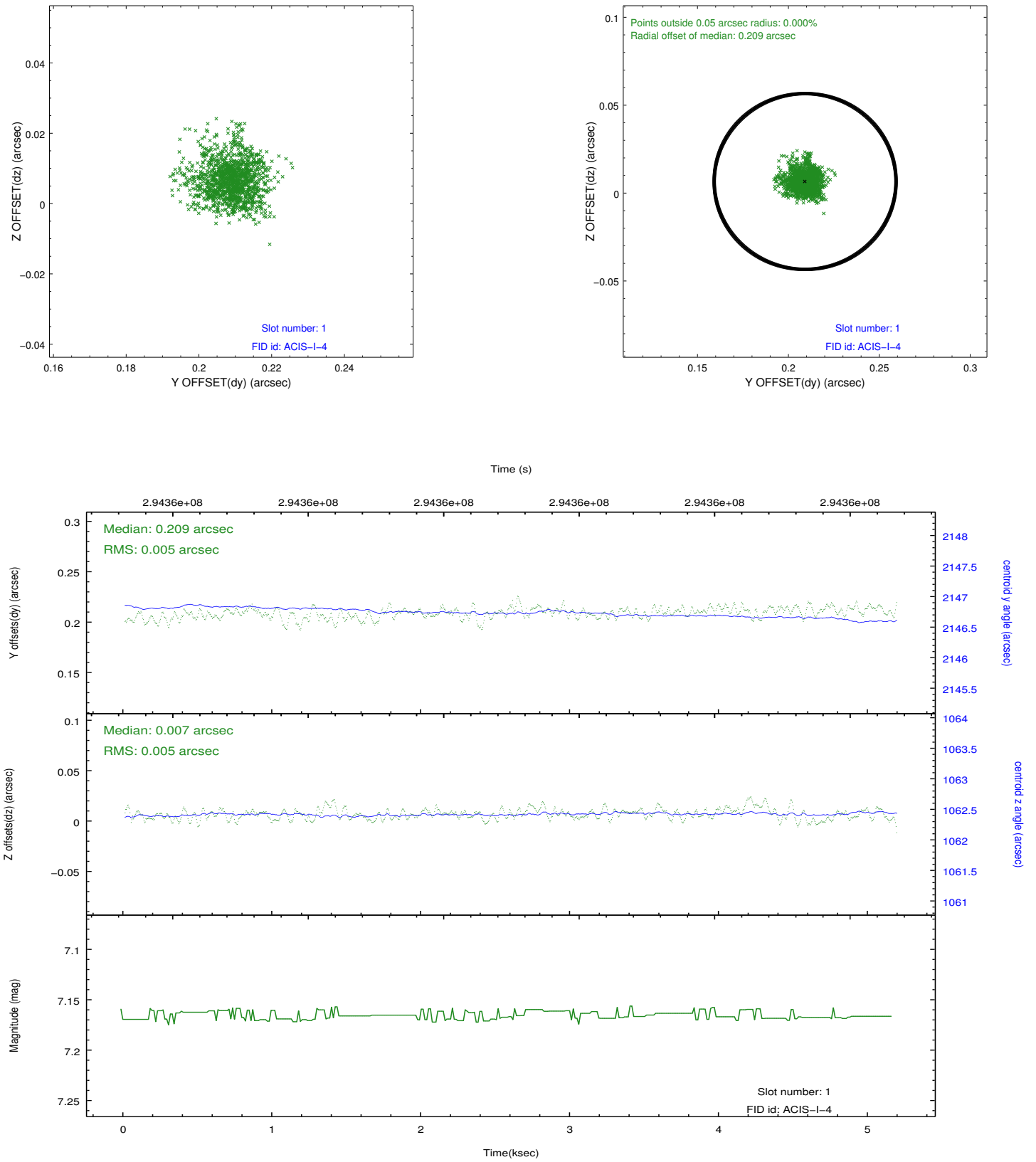


2.5 FID Slots

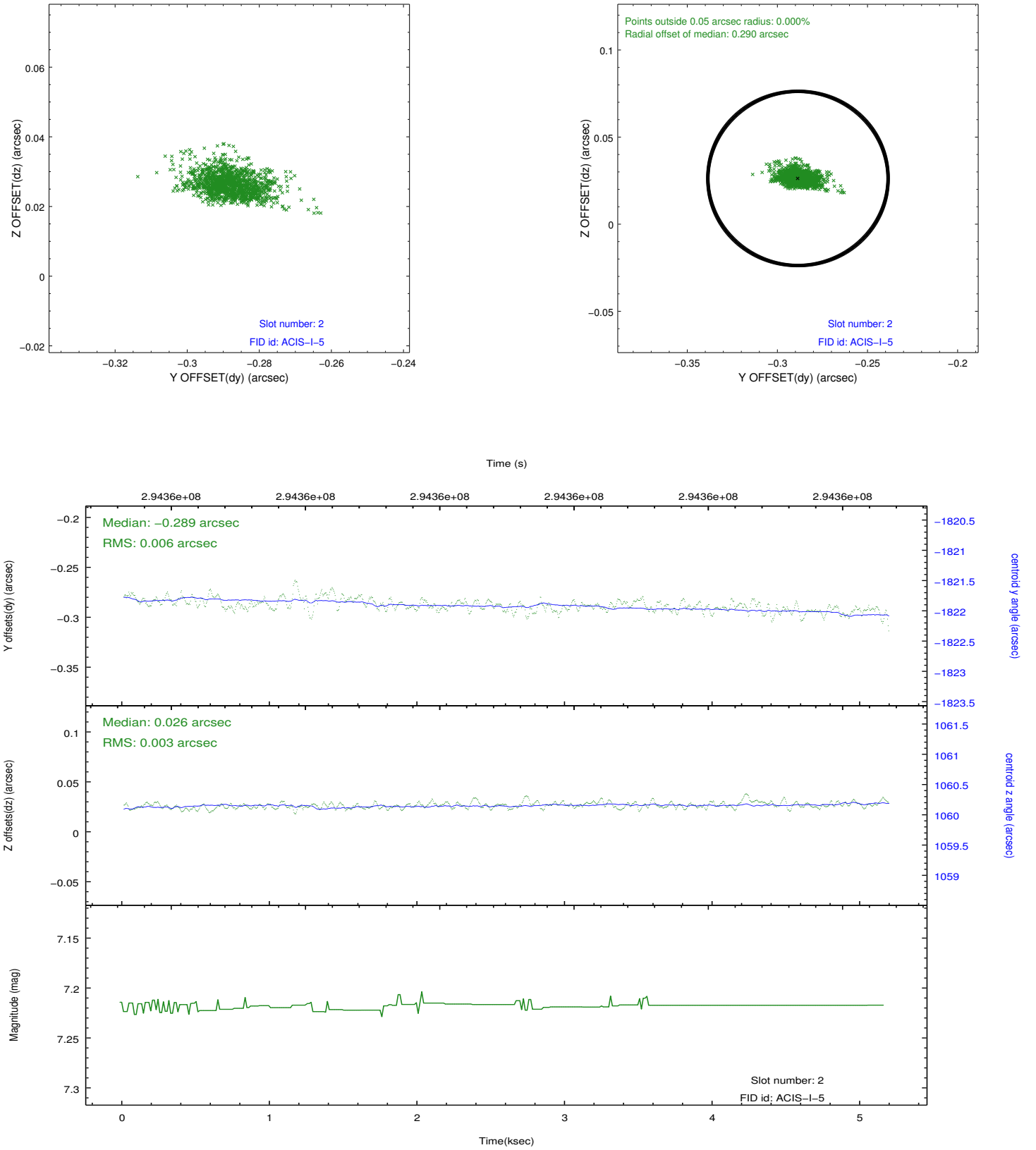
2.5.1 Slot 0



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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17759998

A.2 Comments

Joint proposal with NRAO.