

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3064 - L2 Version 3
Chandra X-Ray Center

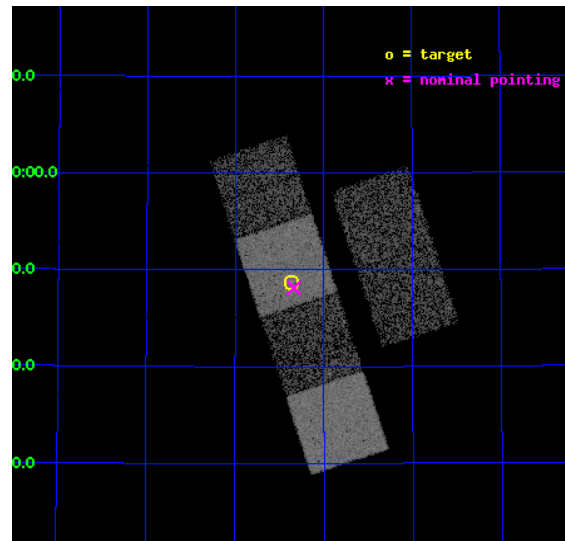
L2 Processing Date : Oct 4 2012

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

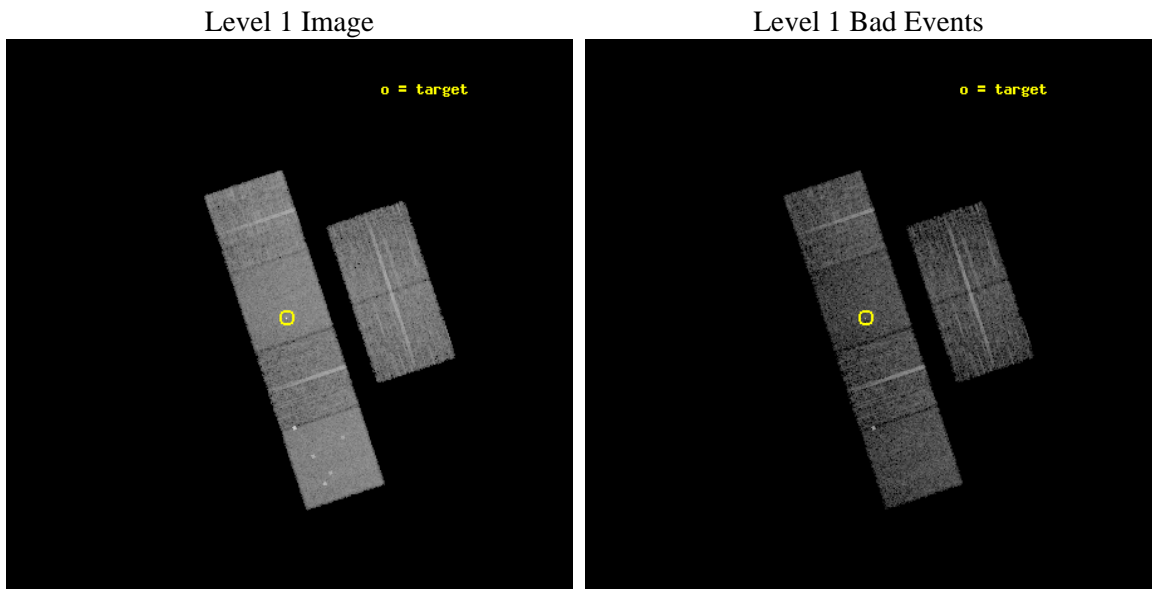
seq_num	700503	Sequence number
obs_id	3064	Observation id
title	X-RAY WEAK BROAD-LINE QUASARS: ABSORPTION OR INTRINSIC X_RAY WEAKNESS ?	Proposal title
observer	Dr Guido Risaliti	Principal investigator
object	HS 0810+5157	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	123.592083	Observer's specified target RA [deg]
dec_targ	51.810972	Observer's specified target Dec [deg]
ra_nom	123.58449118285	Nominal RA [deg]
dec_nom	51.802362839325	Nominal Dec [deg]
roll_nom	251.69413474841	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6934.3999741673	Sum of GTIs [s]
livetime	6846.5924263001	Livetime [s]
ontime2	6934.3999741673	Sum of GTIs [s]
ontime3	6934.3999741673	Sum of GTIs [s]
ontime5	6934.3999741673	Sum of GTIs [s]
ontime6	6934.3999741673	Sum of GTIs [s]
ontime7	6934.3999741673	Sum of GTIs [s]
ontime8	6931.1590039134	Sum of GTIs [s]
l2events	69543	Number of level 2 events



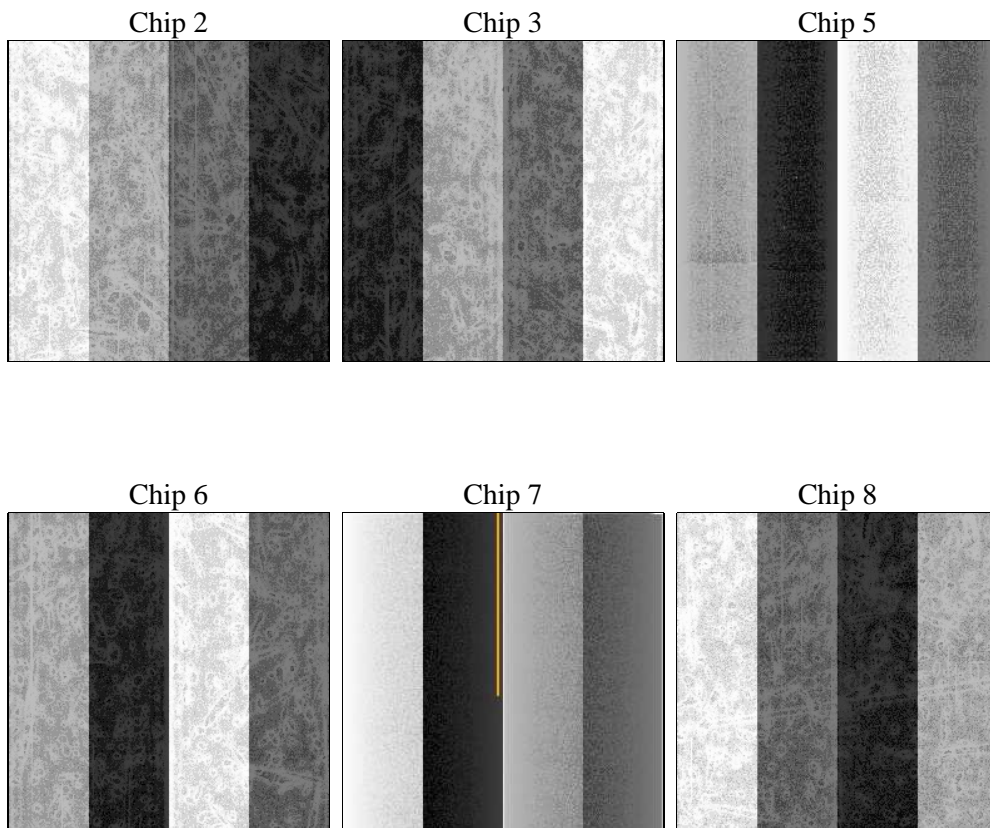
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	7200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6934.3999741673	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	6934.3999741673	Sum of GTIs [s]
date	2012-10-04T18:49:08	Date and time of file creation	ontime3	6934.3999741673	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	6934.3999741673	Sum of GTIs [s]
			ontime6	6934.3999741673	Sum of GTIs [s]
			ontime7	6934.3999741673	Sum of GTIs [s]
			ontime8	6931.1590039134	Sum of GTIs [s]
			l1events	318766	Number of level 1 events

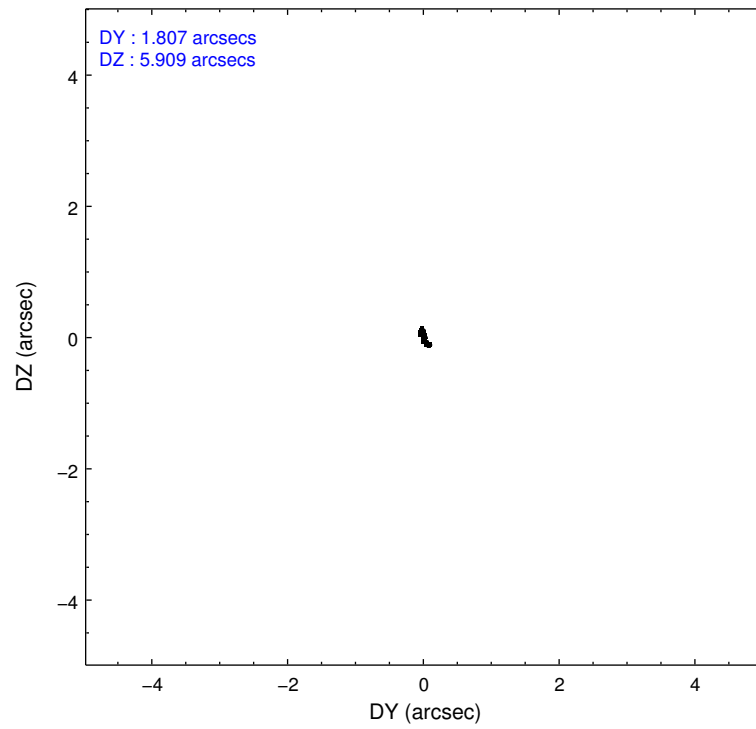
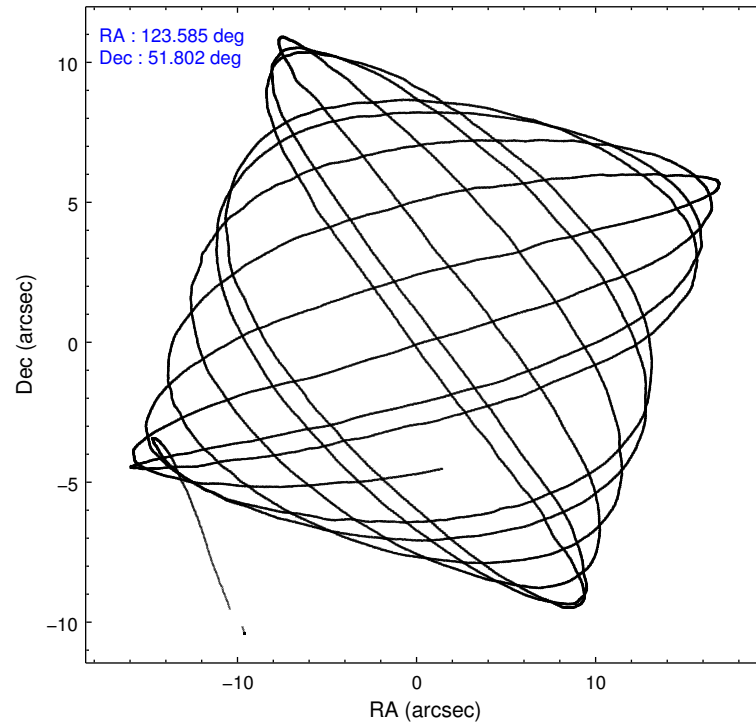
2.1.4 Events

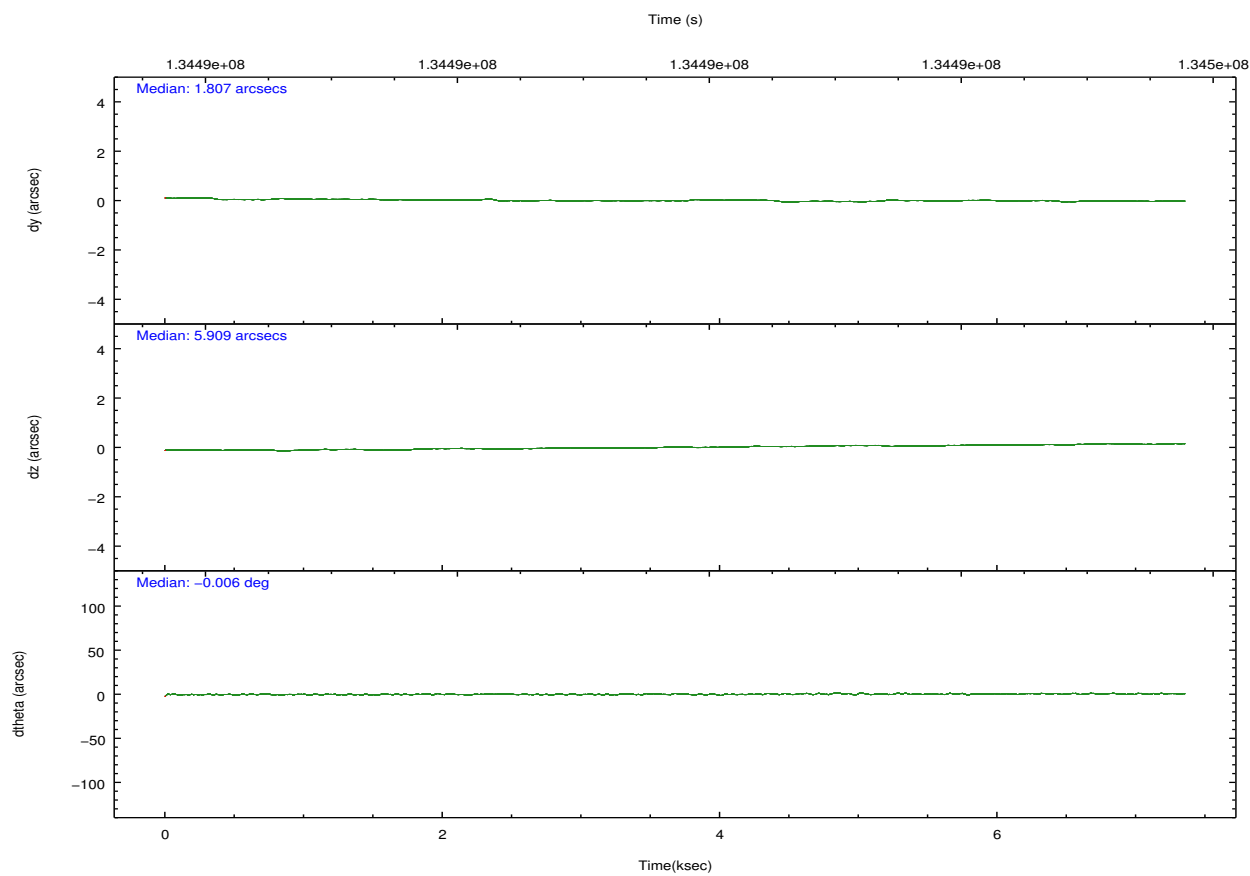
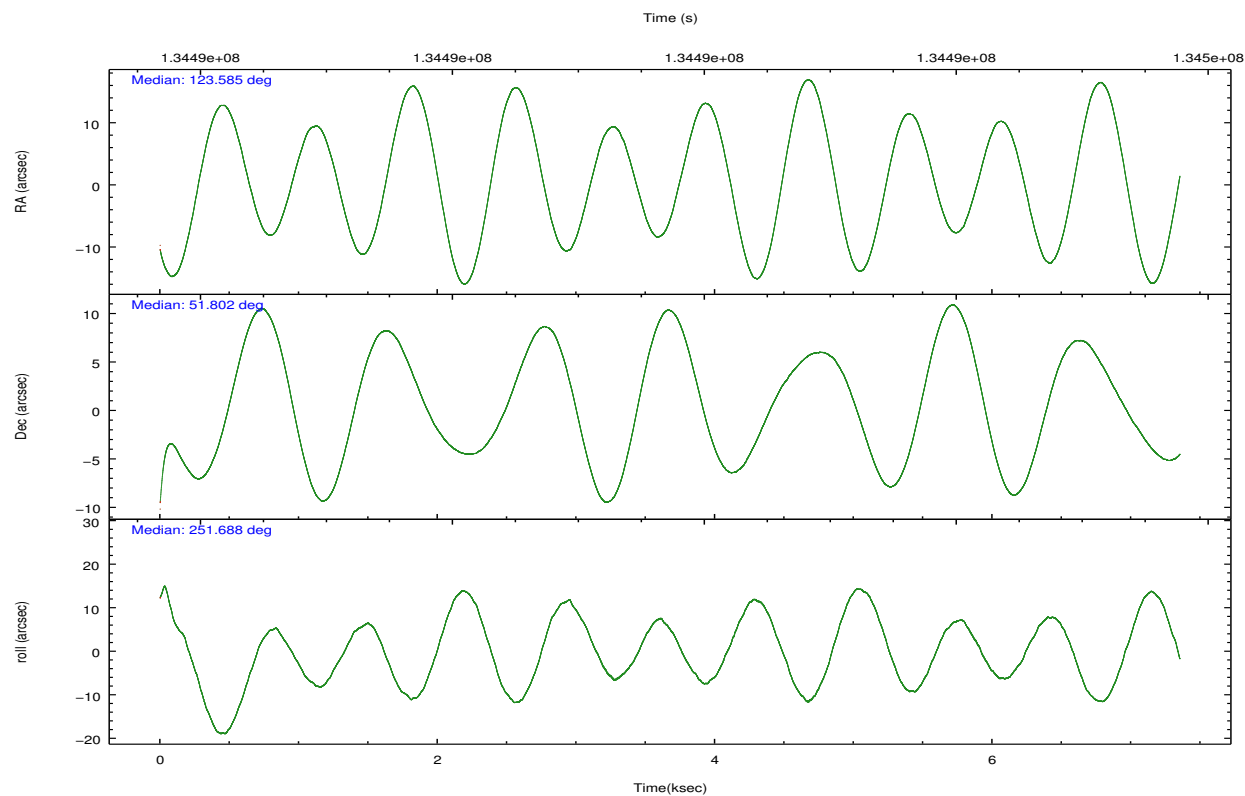
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46380	44721	65237	44233	59530	58665	grade 0 events	2204	2182	3720	2060	2513	3546
rejected events	41131	39573	35286	39149	34349	46985		4%	4%	5%	4%	4%	6%
rejected %	88%	88%	54%	88%	57%	80%	grade 1 events	27	20	415	24	69	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	1117	1036	8106	1064	5048	2631
								2%	2%	12%	2%	8%	4%
							grade 3 events	498	470	1354	490	2253	1185
								1%	1%	2%	1%	3%	2%
							grade 4 events	482	514	1229	464	2315	1109
								1%	1%	1%	1%	3%	1%
							grade 5 events	1658	1799	4966	2023	5568	2328
								3%	4%	7%	4%	9%	3%
							grade 6 events	950	949	15562	1009	13071	3210
								2%	2%	23%	2%	21%	5%
							grade 7 events	39444	37751	29885	37099	28693	44610
								85%	84%	45%	83%	48%	76%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	123.575121	123.5844911828507	Subarray requested	NONE	NONE
[deg] Pointing Dec	51.829049	51.8023628393253	Alternating exposures requested	N	N
[deg] Pointing Roll	251.544852	251.6941347484091	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	134488227.184000	134487281.32026			
Observation start date	2002-04-06T13:49:23	2002-04-06T13:34:41			
[s] Observation end time (MET)	134495427.184000	134497176.15816			
Observation end date	2002-04-06T15:49:23	2002-04-06T16:19:36			
Read mode	TIMED	TIMED			

2.3 Aspect



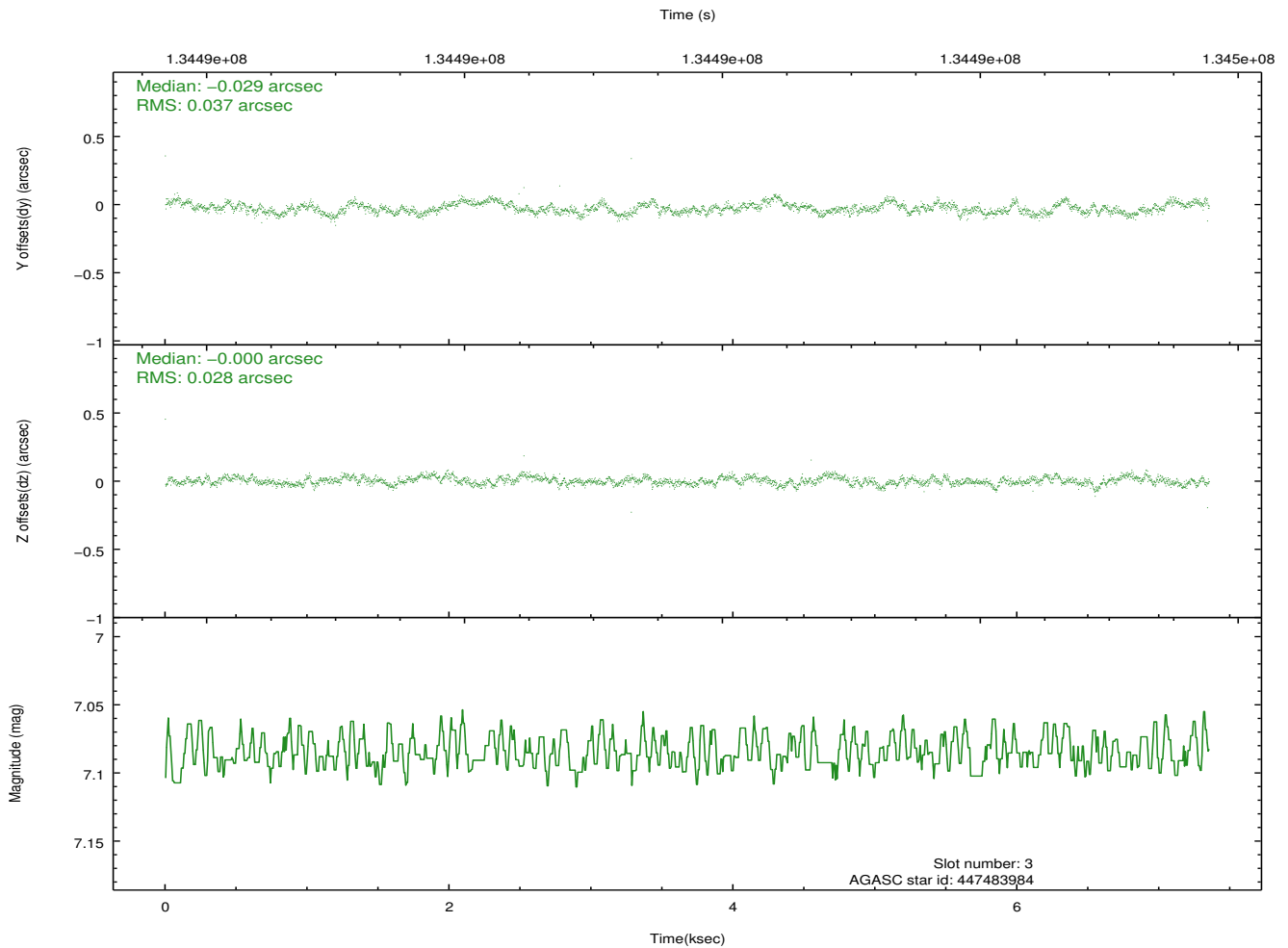
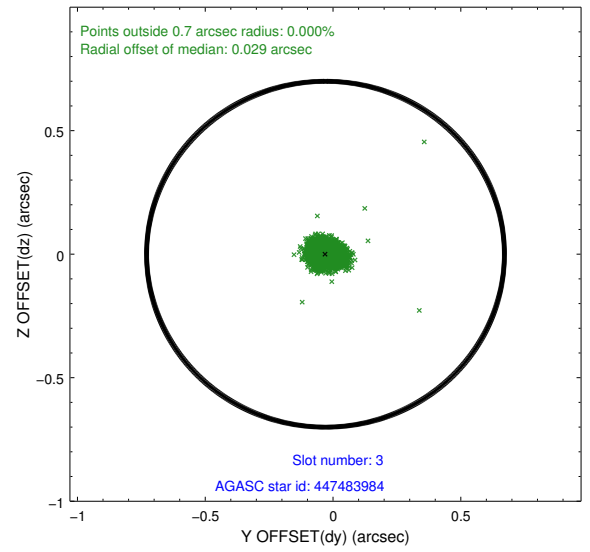
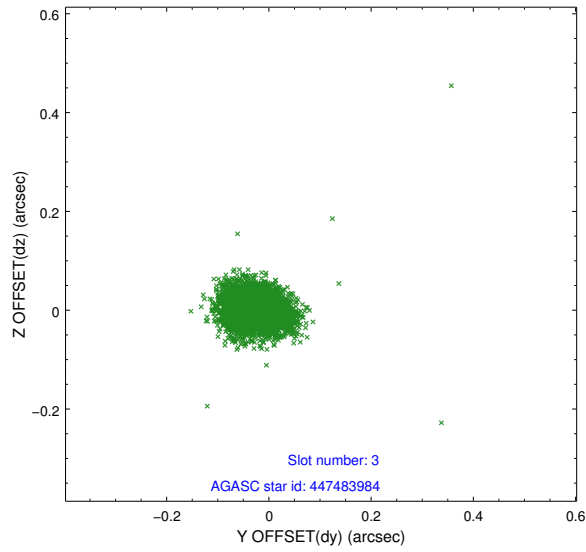


Slot Statistics

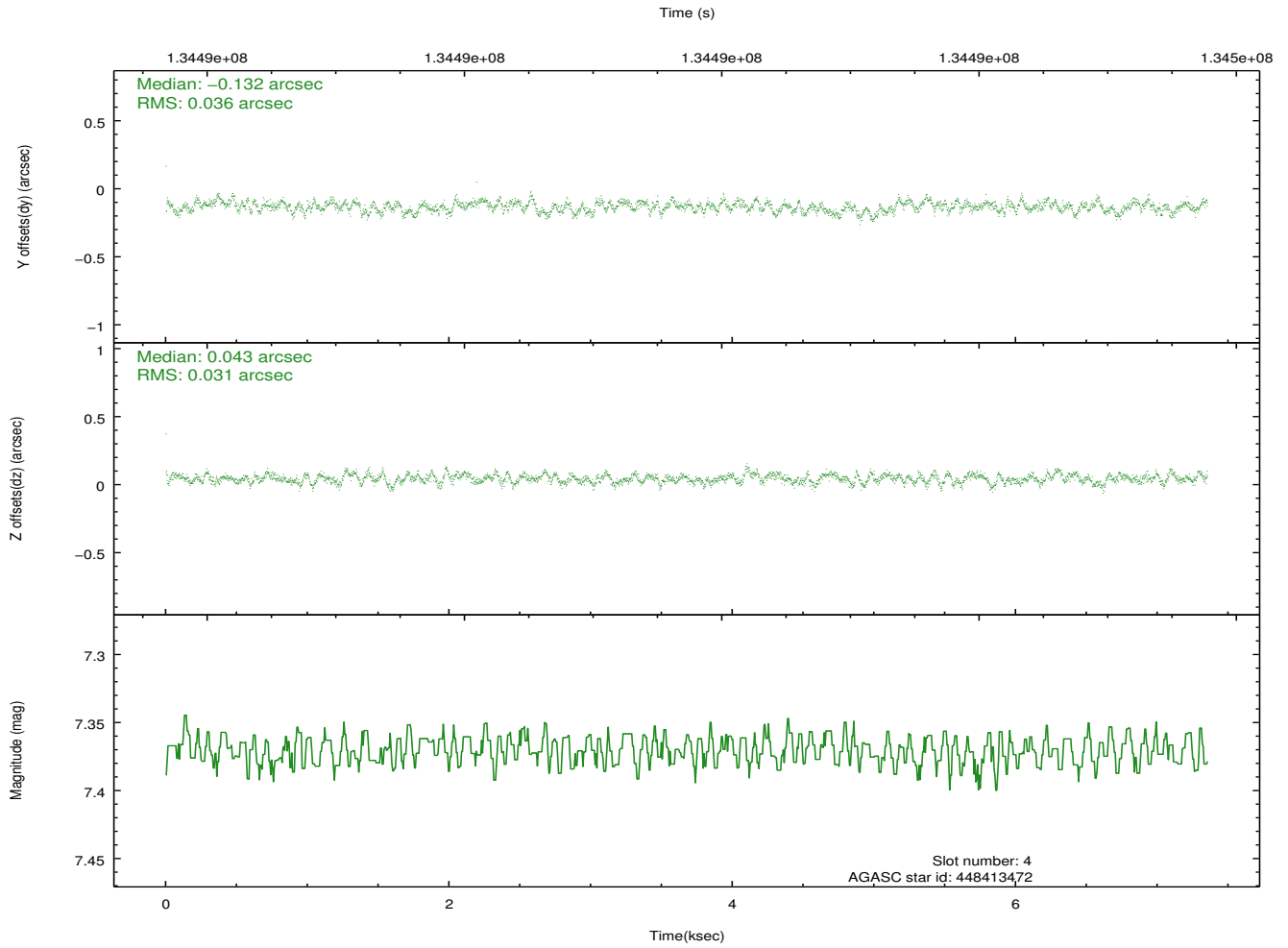
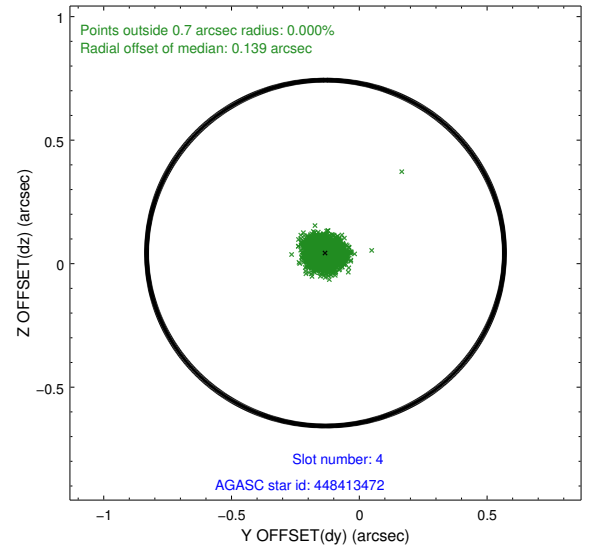
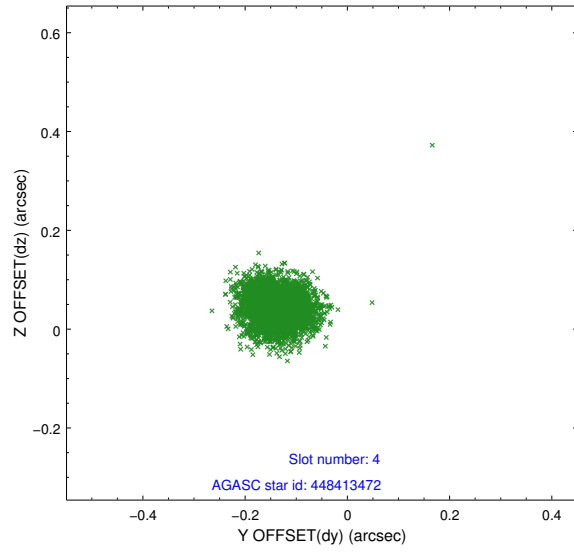
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1793	-0.055	0.002	0.006	0.010	0.000000	0.000000	-754.43	-1727.02
1	FID	ACIS-S-4	7.21	1793	-0.006	0.026	0.005	0.009	0.000000	0.000000	2158.49	180.77
2	FID	ACIS-S-5	7.24	1794	0.029	-0.019	0.006	0.011	0.000000	0.000000	-1806.24	175.17
3	GUIDE	447483984	7.09	3588	-0.029	-0.000	0.048	0.075	122.956456	51.769020	636.11	-1240.84
4	GUIDE	448413472	7.37	3587	-0.132	0.043	0.050	0.081	124.060486	52.342270	-2093.64	426.01
5	GUIDE	447485472	7.70	3588	0.020	-0.186	0.059	0.090	122.828208	52.028768	-166.48	-1799.74
6	GUIDE	447483832	9.11	3586	0.206	0.050	0.077	0.123	123.355075	51.764919	373.95	-392.71
7	GUIDE	448411344	9.62	3586	-0.060	0.088	0.099	0.161	124.072948	52.169726	-1514.65	652.97

2.4 Star Slots

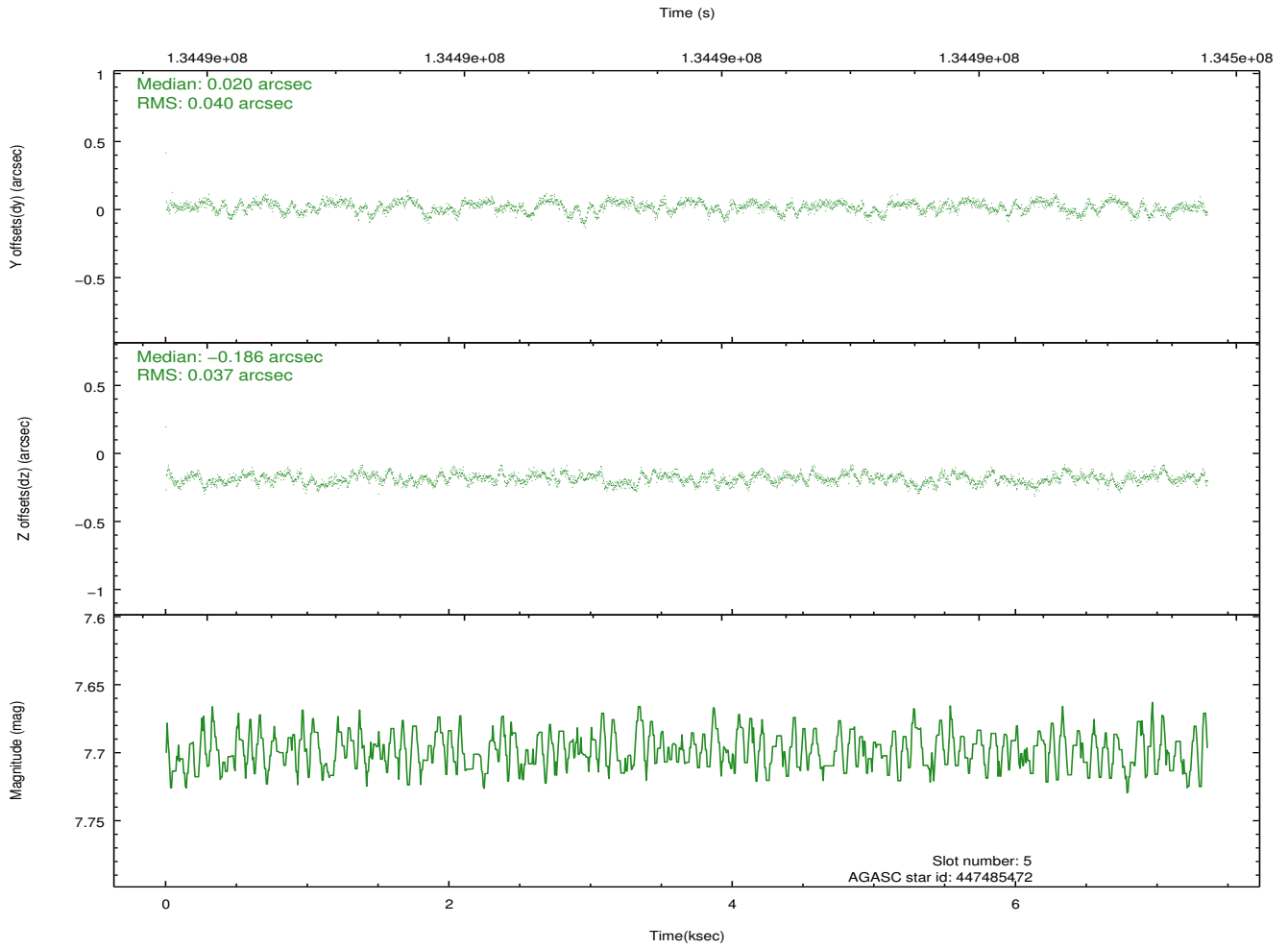
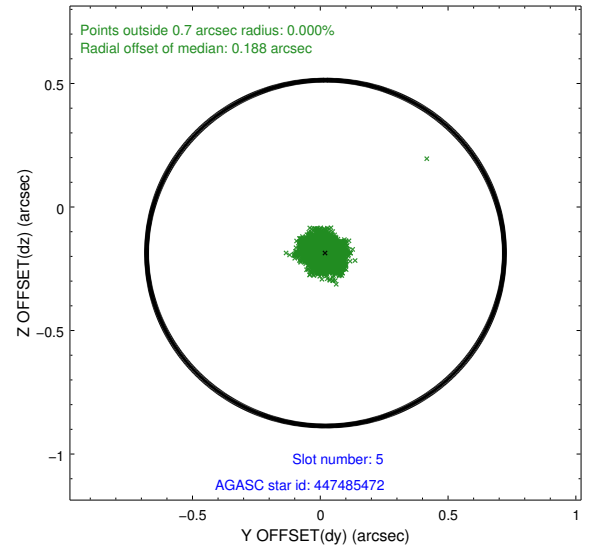
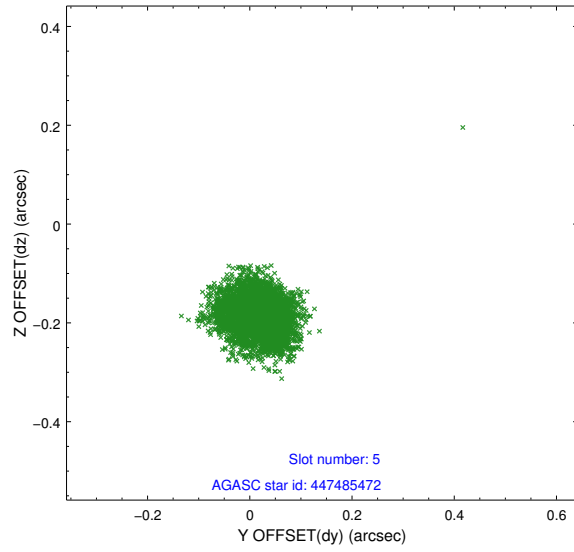
2.4.1 Slot 3



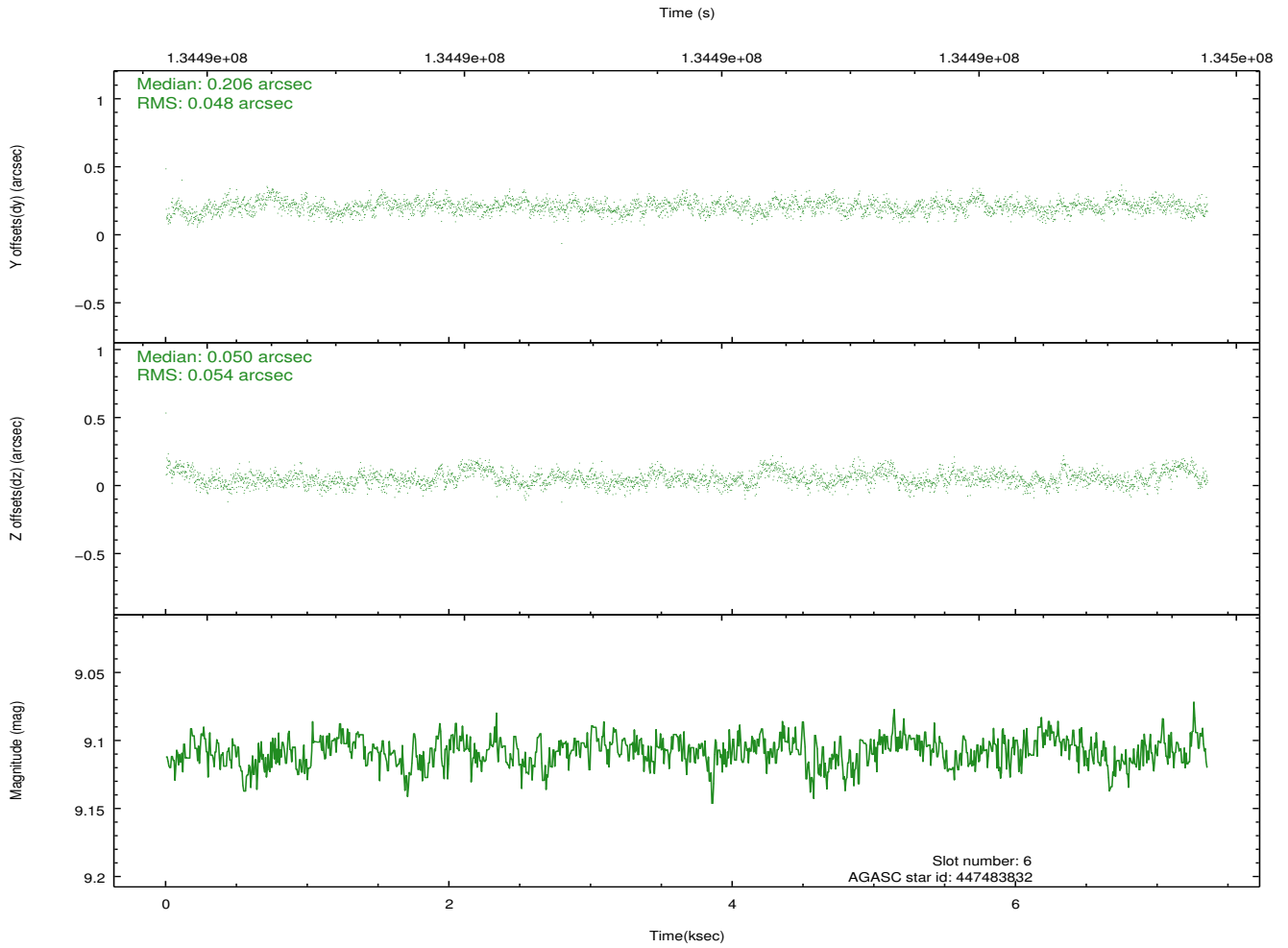
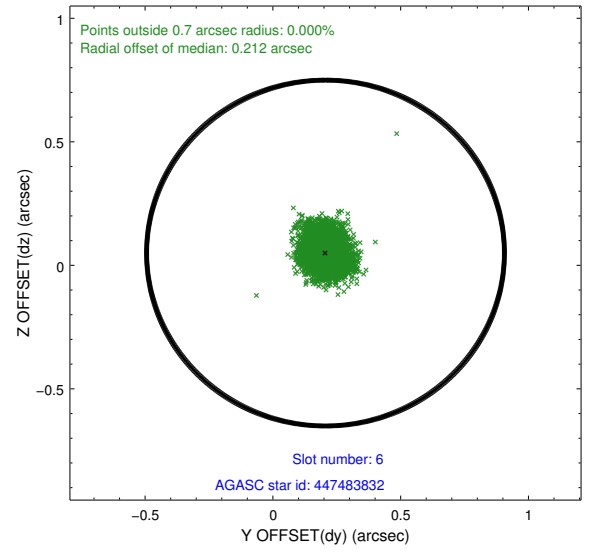
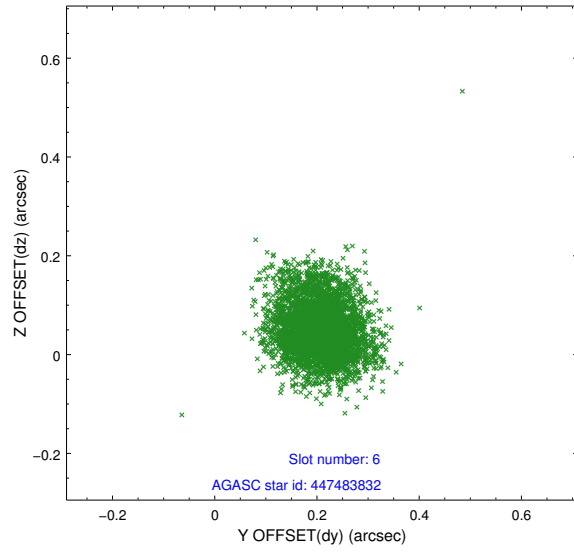
2.4.2 Slot 4



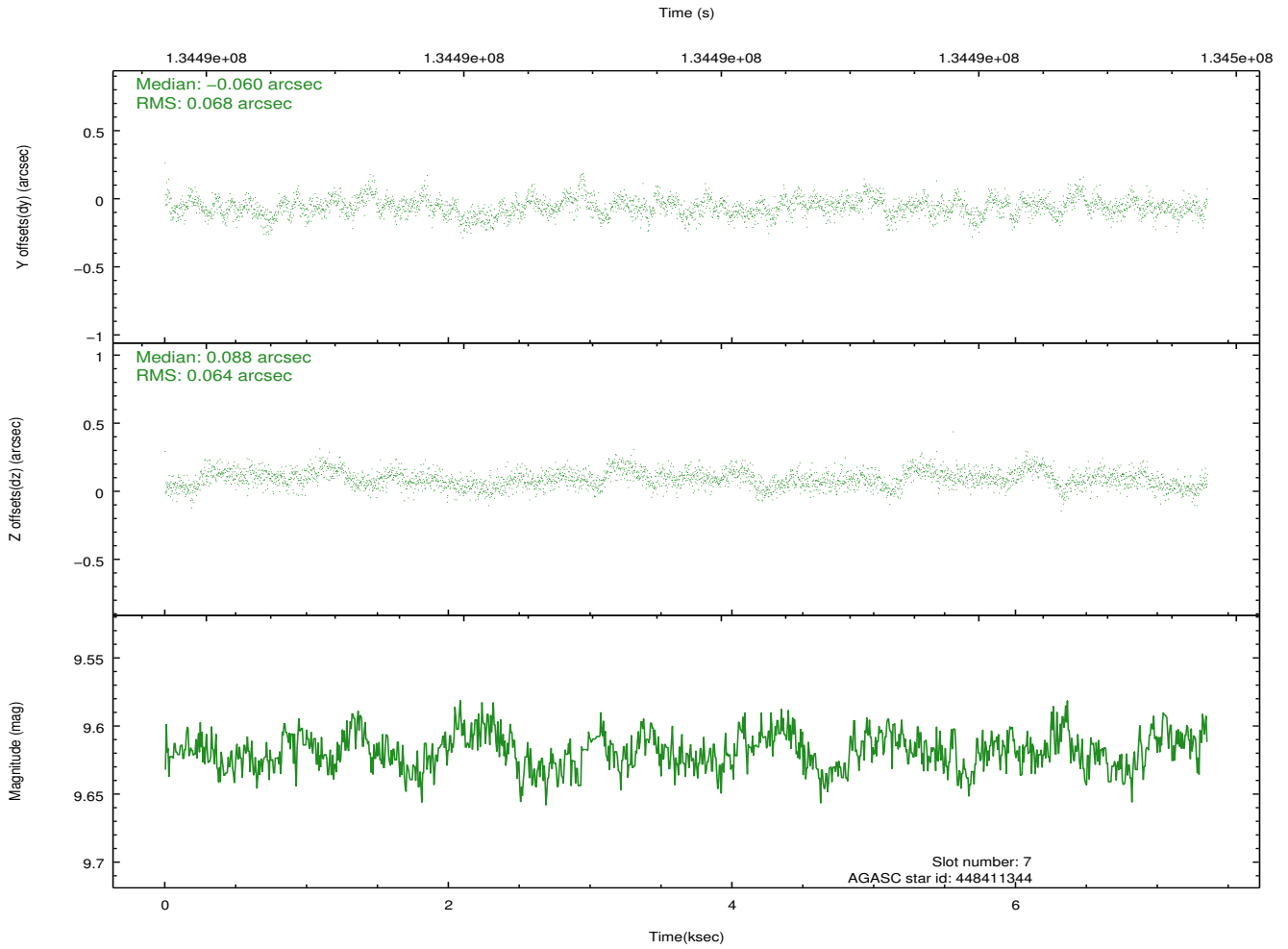
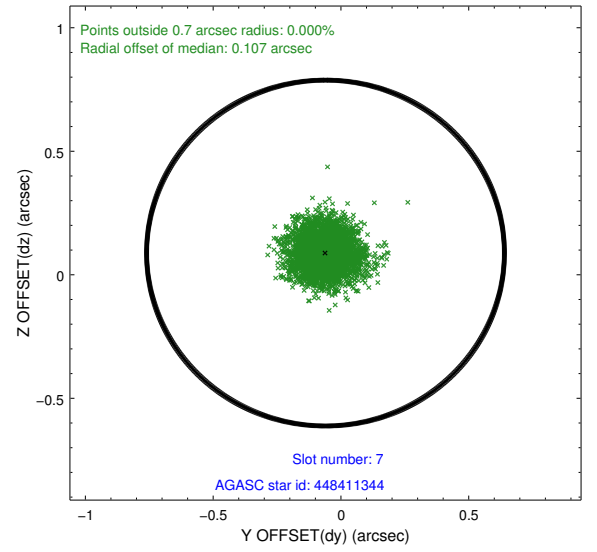
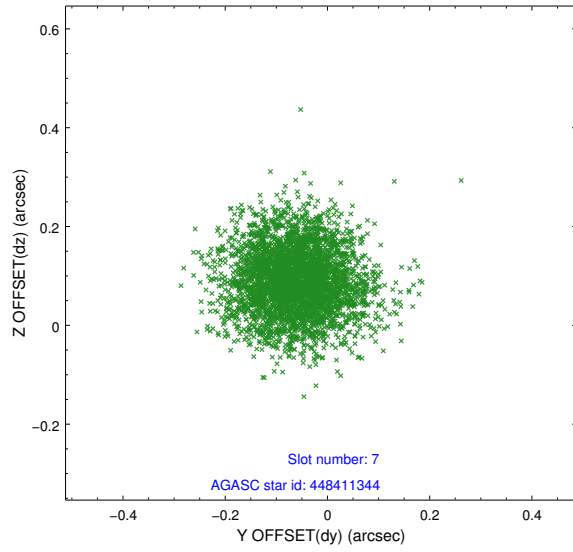
2.4.3 Slot 5



2.4.4 Slot 6

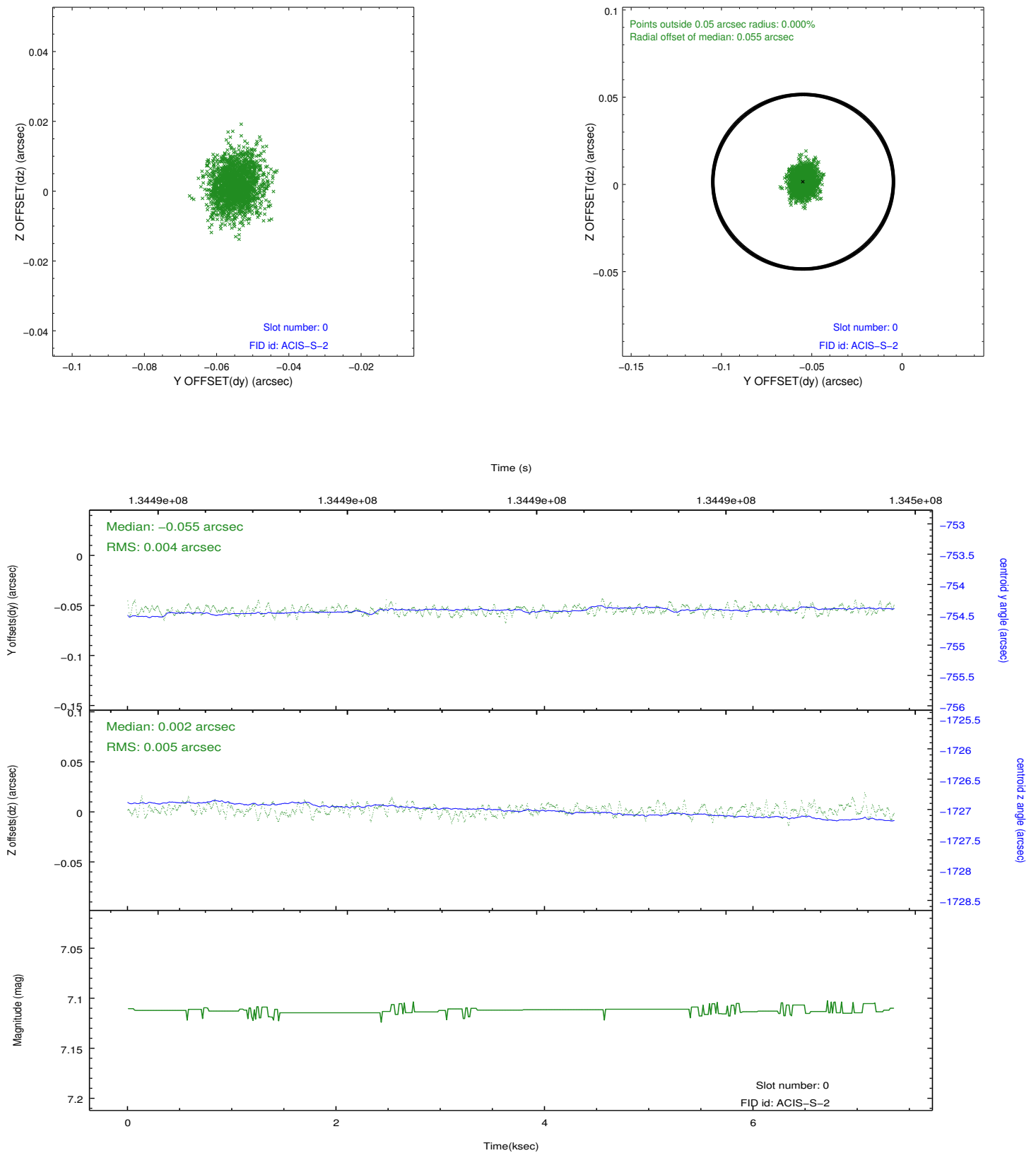


2.4.5 Slot 7

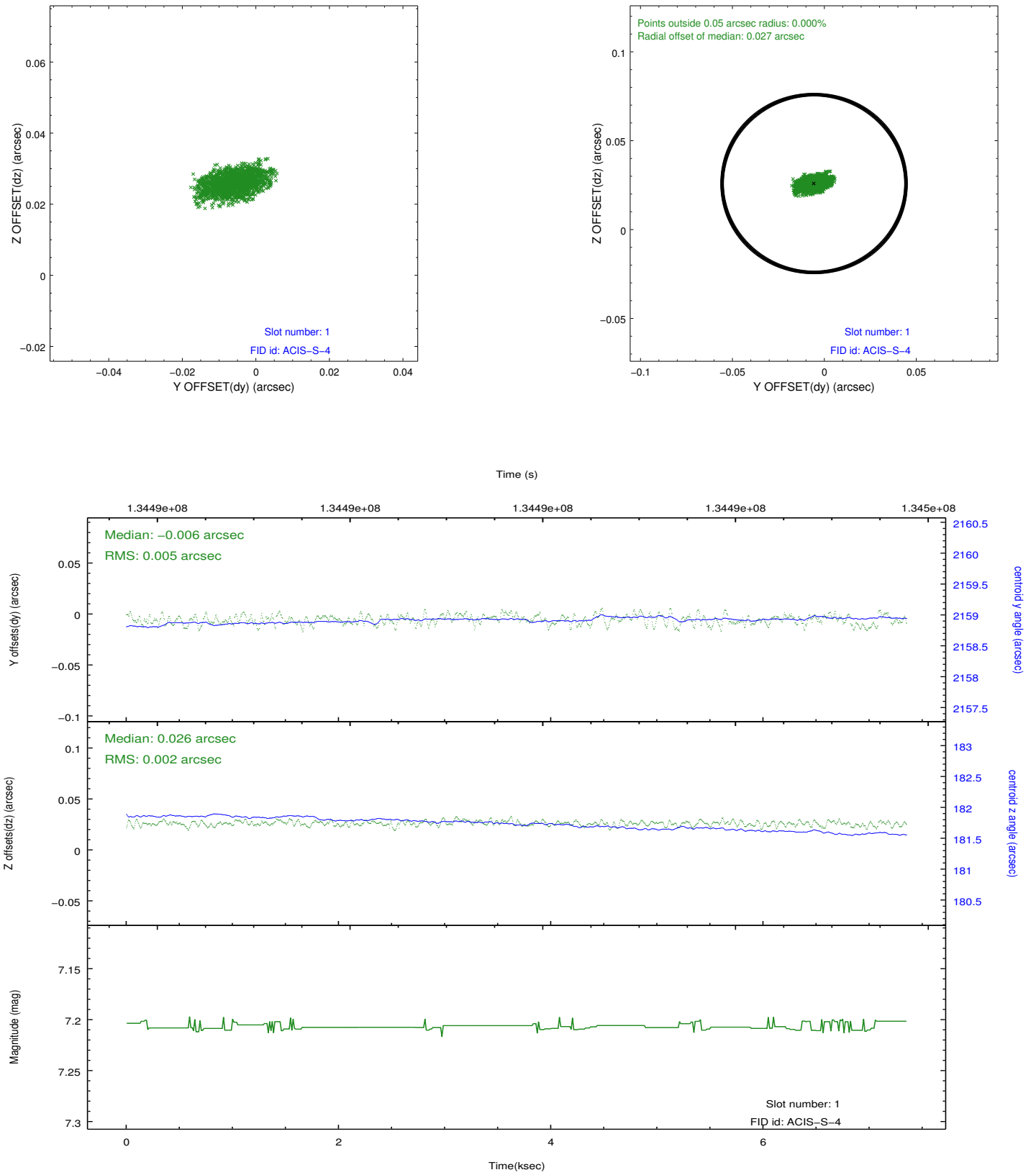


2.5 FID Slots

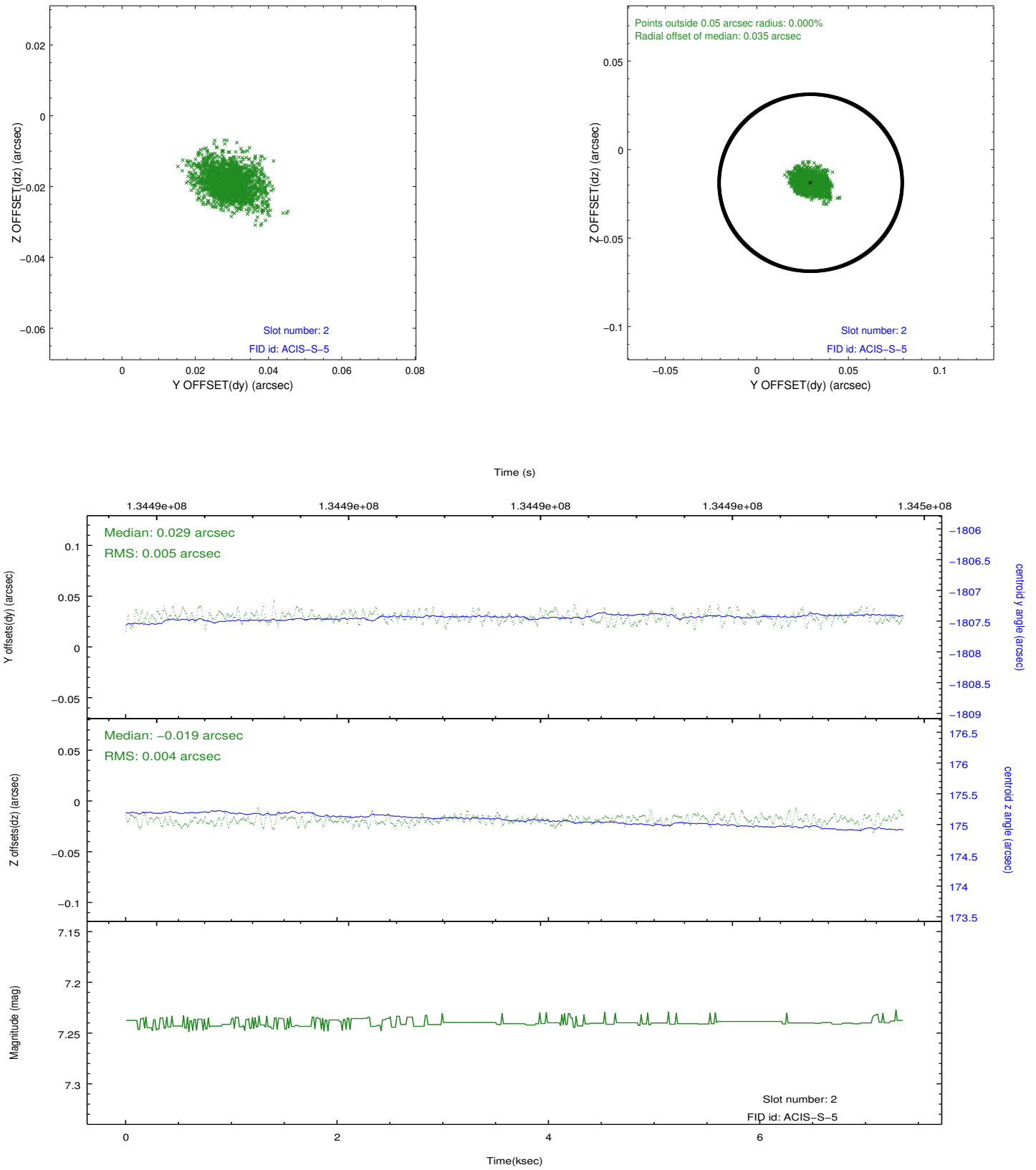
2.5.1 Slot 0



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)	2012.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.937

A.2 Comments