

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3106 - L2 Version 3
Chandra X-Ray Center

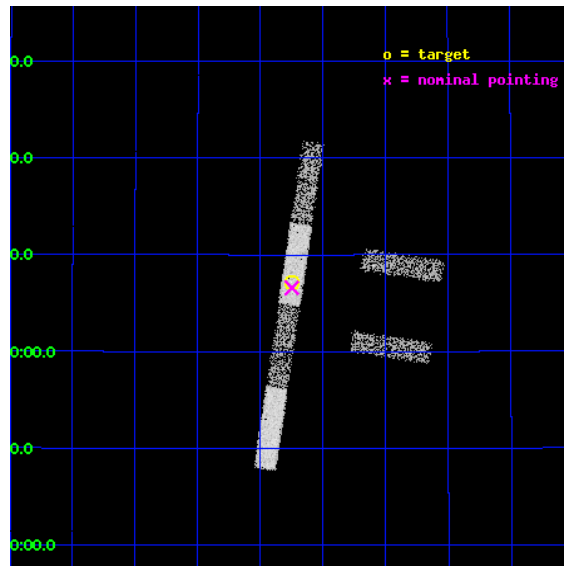
L2 Processing Date : Oct 15 2012

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

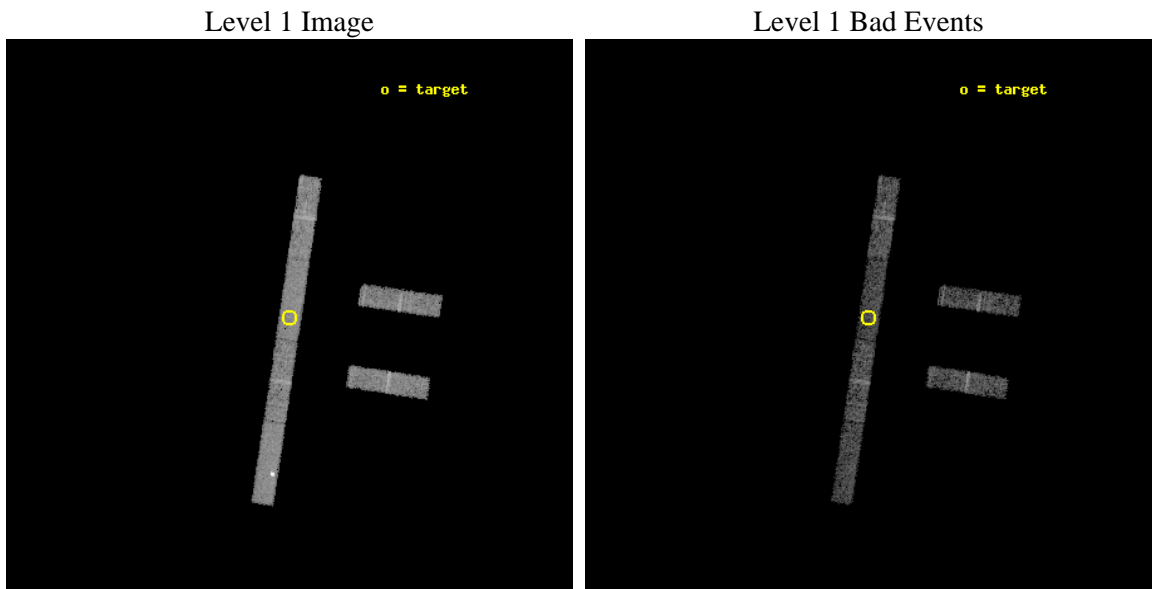
seq_num	700545	Sequence number
obs_id	3106	Observation id
title	X-RAY IMAGING OF GPS AND CSS QUASARS	Proposal title
observer	Dr. Aneta Siemiginowska	Principal investigator
object	Q1829+290	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.812083	Observer's specified target RA [deg]
dec_targ	29.119472	Observer's specified target Dec [deg]
ra_nom	277.81184535007	Nominal RA [deg]
dec_nom	29.109760619584	Nominal Dec [deg]
roll_nom	278.52392077117	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5486.7999702394	Sum of GTIs [s]
livetime	5289.4552051316	Livetime [s]
ontime2	5486.7999702394	Sum of GTIs [s]
ontime3	5486.7999702394	Sum of GTIs [s]
ontime5	5486.7999702394	Sum of GTIs [s]
ontime6	5486.7999702394	Sum of GTIs [s]
ontime7	5486.7999702394	Sum of GTIs [s]
ontime8	5486.7999702394	Sum of GTIs [s]
l2events	15259	Number of level 2 events



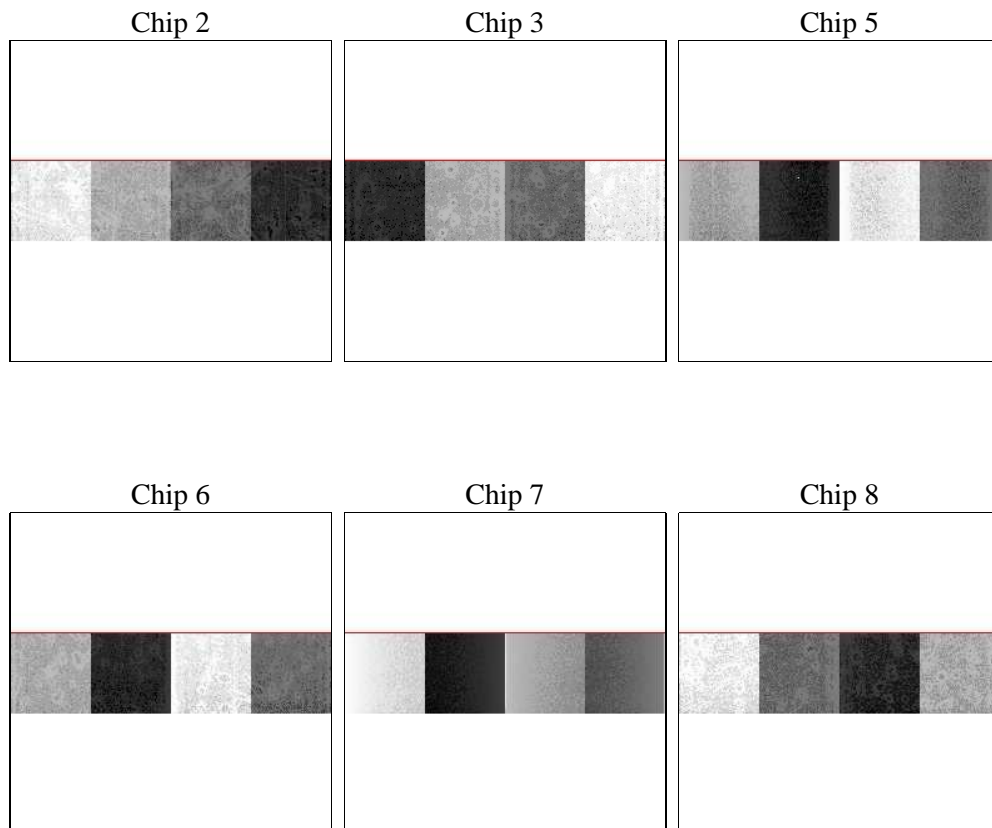
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5486.7999702394	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5486.7999702394	Sum of GTIs [s]
date	2012-10-15T12:47:13	Date and time of file creation	ontime3	5486.7999702394	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5486.7999702394	Sum of GTIs [s]
			ontime6	5486.7999702394	Sum of GTIs [s]
			ontime7	5486.7999702394	Sum of GTIs [s]
			ontime8	5486.7999702394	Sum of GTIs [s]
			l1events	77858	Number of level 1 events

2.1.4 Events

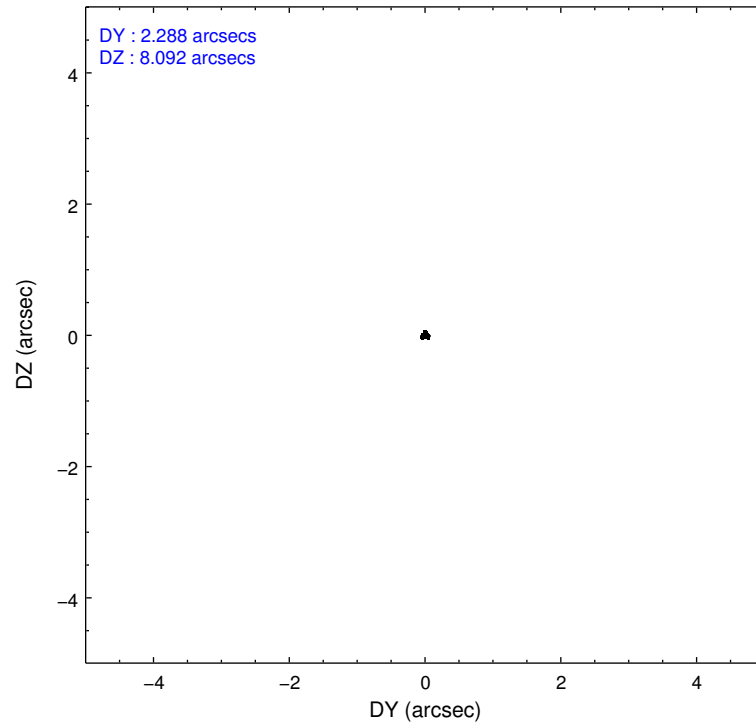
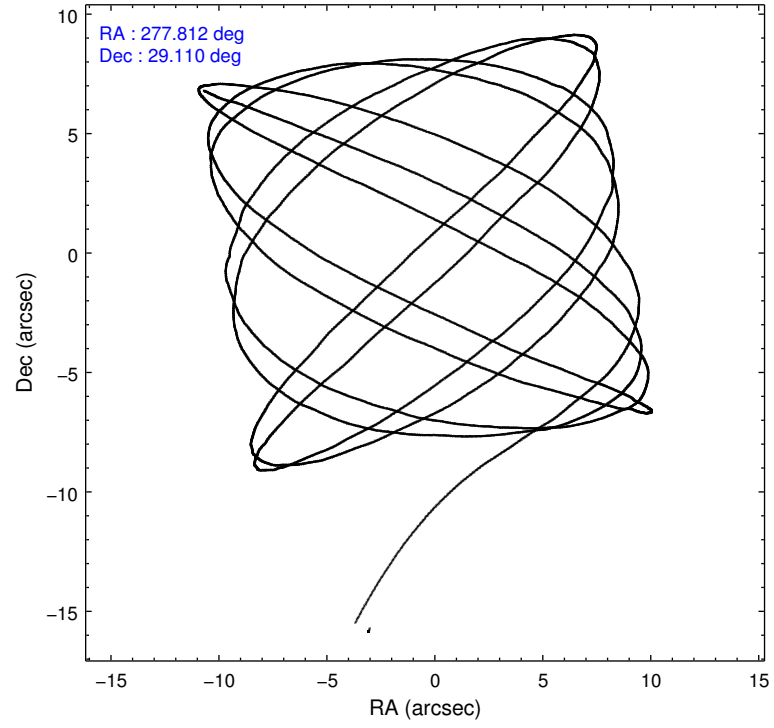
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	11719	10376	17479	11297	12615	14372
rejected events	10490	9169	7069	10074	7245	11731
rejected %	89%	88%	40%	89%	57%	81%

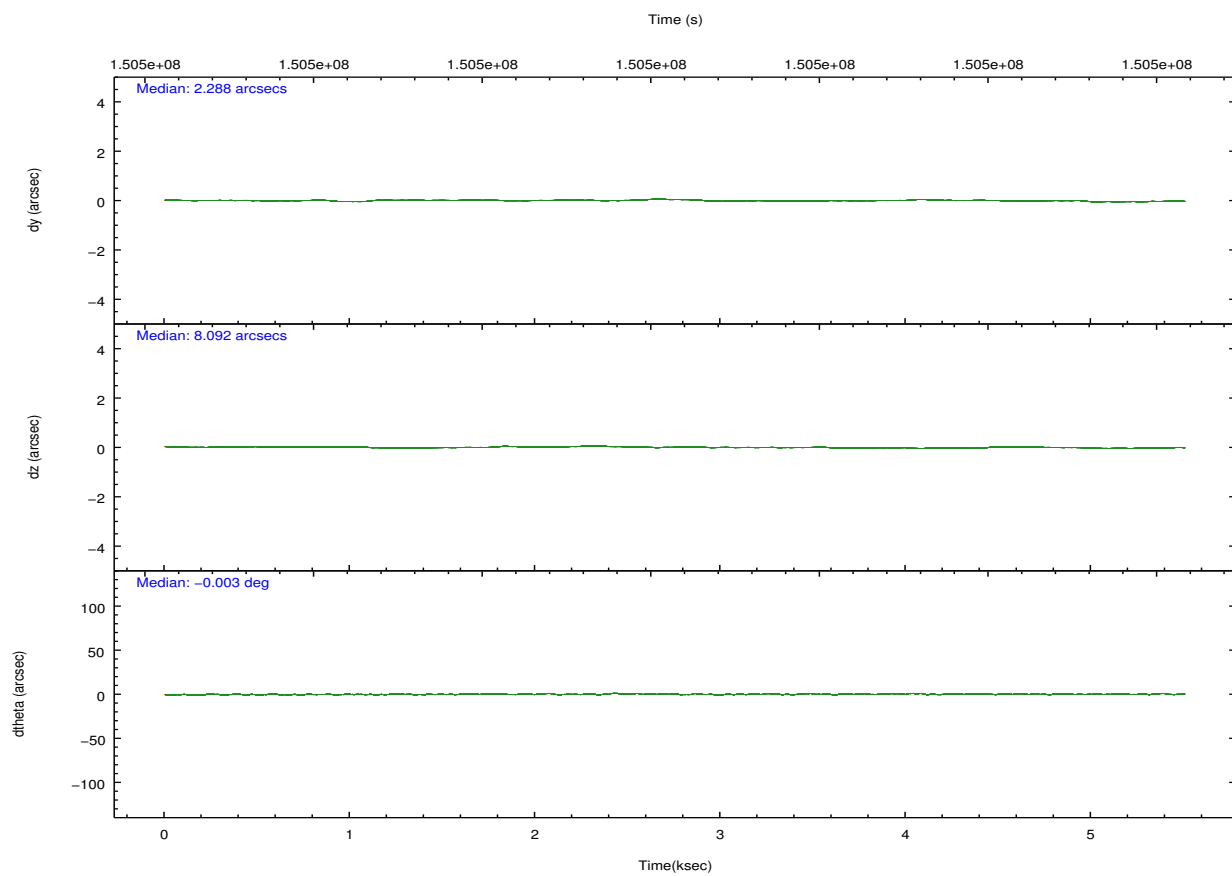
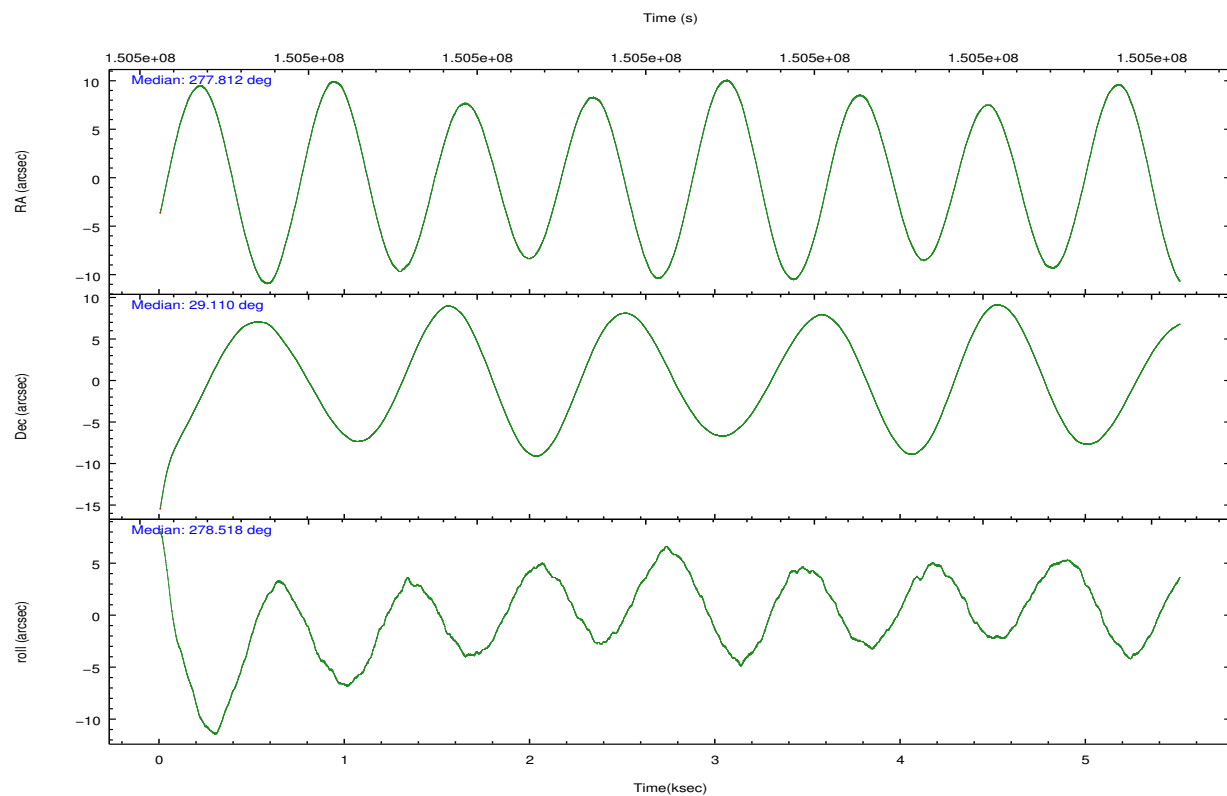
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	469	487	4399	459	526	726
	4%	4%	25%	4%	4%	5%
grade 1 events	8	5	14	5	17	4
	0%	0%	0%	0%	0%	0%
grade 2 events	220	160	2086	222	1079	578
	1%	1%	11%	1%	8%	4%
grade 3 events	180	164	467	158	580	298
	1%	1%	2%	1%	4%	2%
grade 4 events	164	173	369	168	576	299
	1%	1%	2%	1%	4%	2%
grade 5 events	357	378	1101	405	1203	553
	3%	3%	6%	3%	9%	3%
grade 6 events	196	225	3094	217	2610	740
	1%	2%	17%	1%	20%	5%
grade 7 events	10125	8784	5949	9663	6024	11174
	86%	84%	34%	85%	47%	77%

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	277.792025	277.8118453500747	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	29.130877	29.1097606195845	Subarray start row	385	385
[deg] Pointing Roll	278.376922	278.5239207711722	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.1
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	150495704.184000	150494680.83955			
Observation start date	2002-10-08T20:20:40	2002-10-08T20:04:40			
[s] Observation end time (MET)	150500904.184000	150501516.56483			
Observation end date	2002-10-08T21:47:20	2002-10-08T21:58:36			
Read mode	TIMED	TIMED			

2.3 Aspect



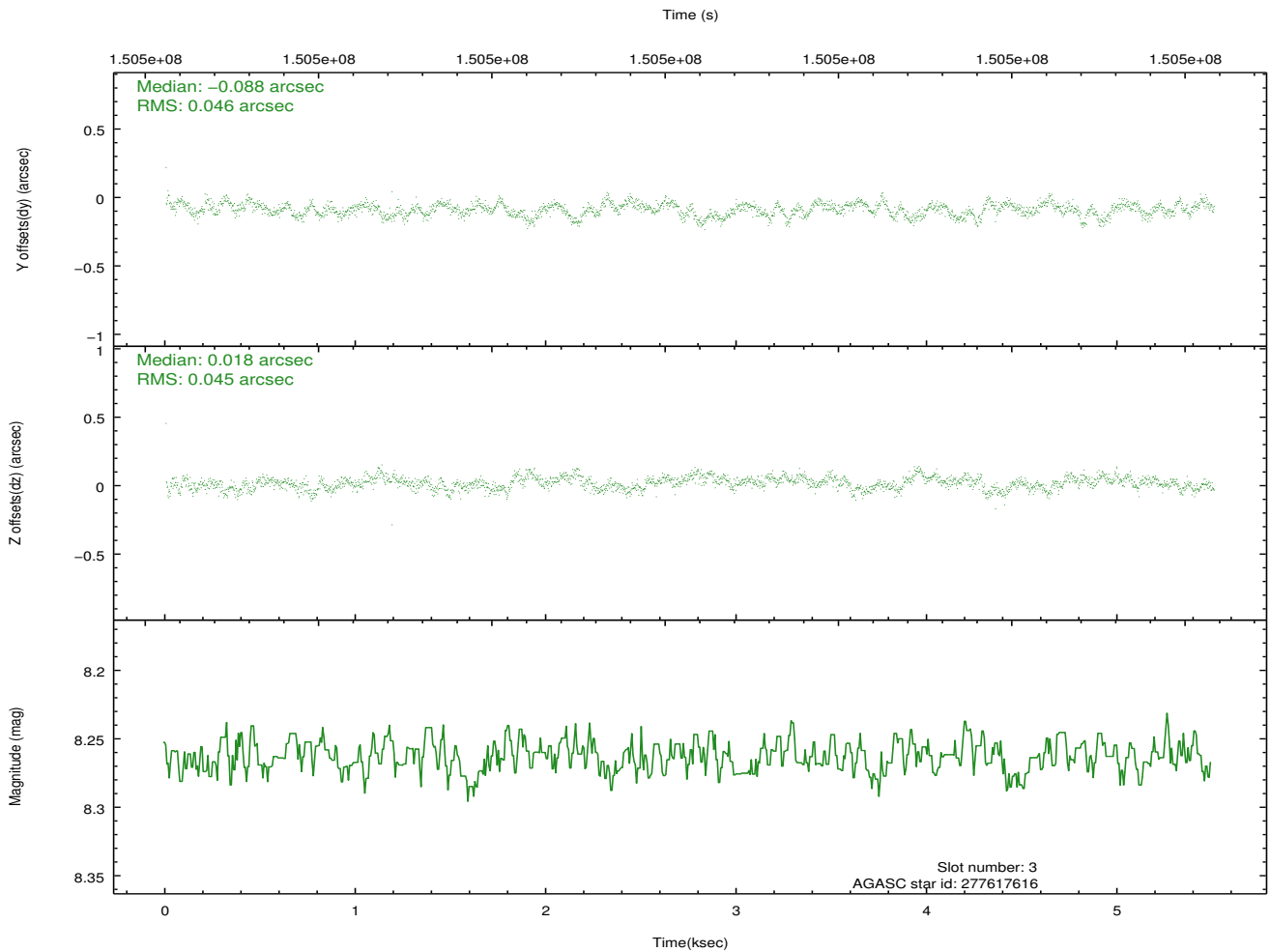
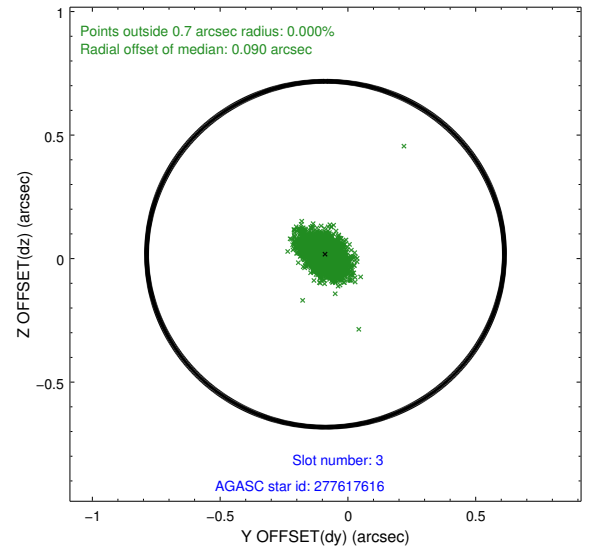
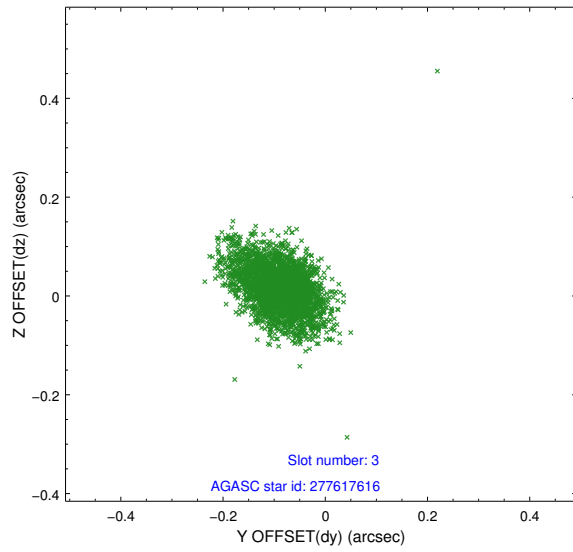


Slot Statistics

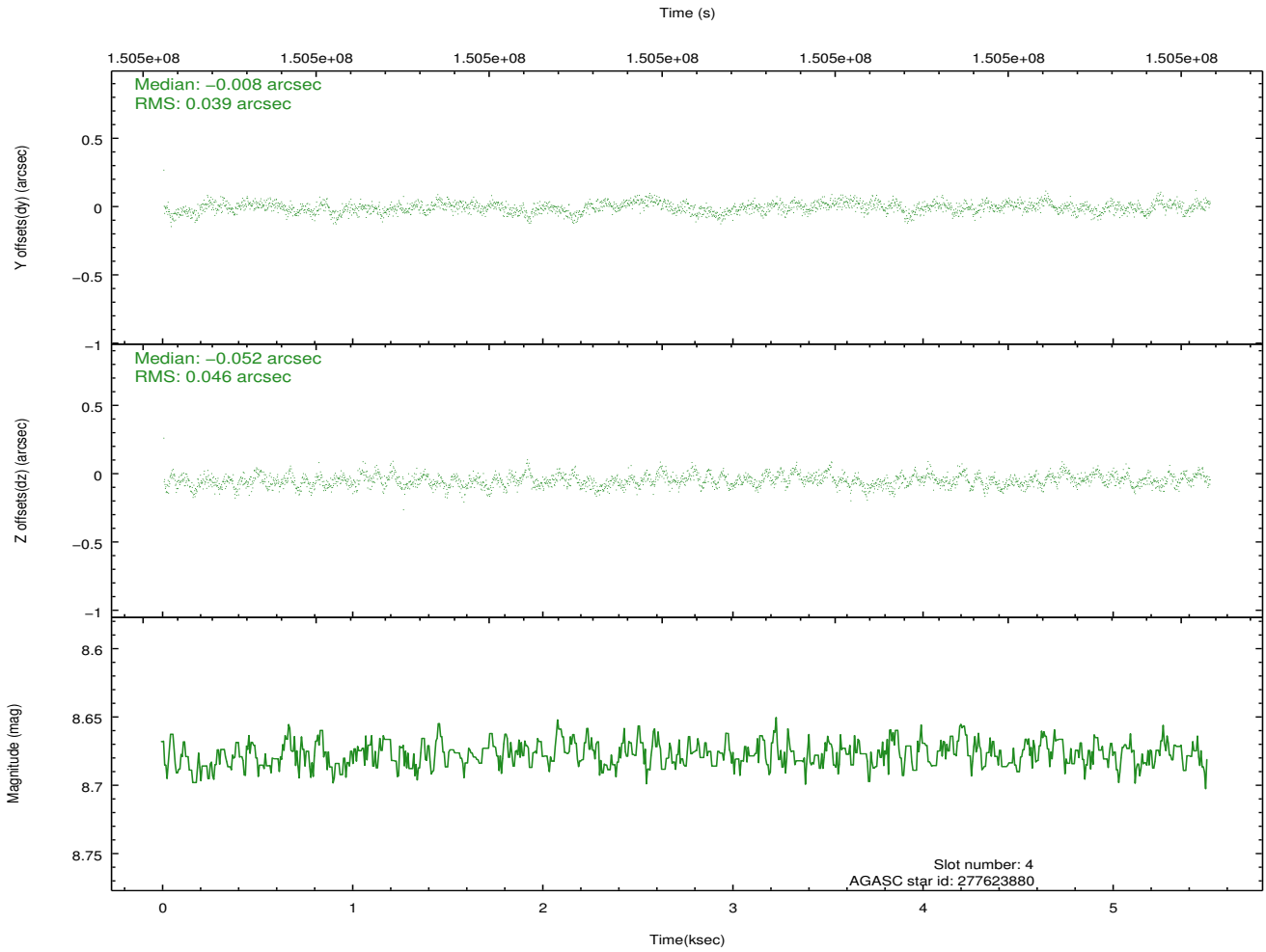
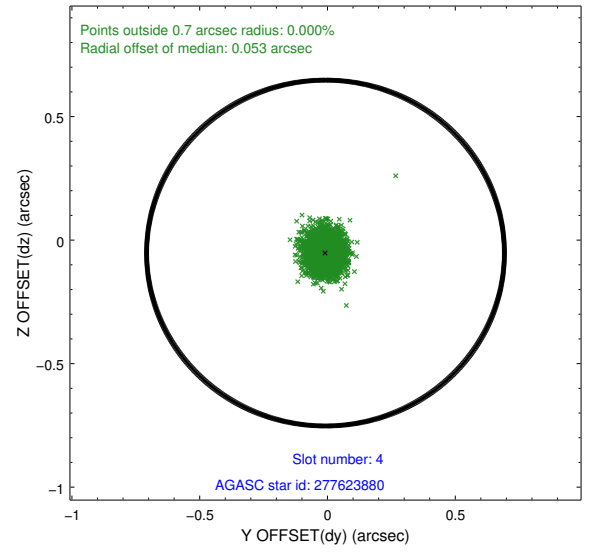
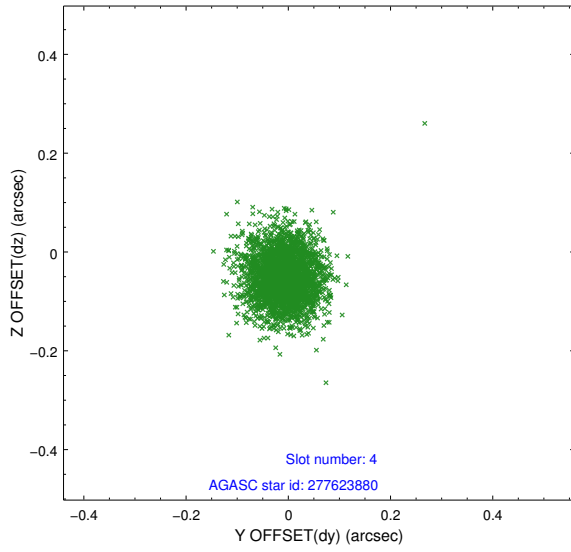
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.35	1343	-0.064	-0.035	0.009	0.015	0.000000	0.000000	58.18	-1858.39
1	FID	ACIS-S-4	7.20	1343	-0.008	0.051	0.009	0.023	0.000000	0.000000	2158.48	177.97
2	FID	ACIS-S-5	7.24	1343	0.044	-0.006	0.009	0.020	0.000000	0.000000	-1806.30	173.02
3	GUIDE	277617616	8.26	2686	-0.088	0.018	0.066	0.113	277.174618	28.796241	903.98	-2101.40
4	GUIDE	277623880	8.68	2685	-0.008	-0.052	0.063	0.104	277.233840	29.449625	-1393.04	-1564.07
5	GUIDE	277744296	8.60	2683	0.144	0.078	0.085	0.134	278.621811	28.756164	1707.25	2395.71
6	GUIDE	277747144	9.01	2683	0.049	0.103	0.082	0.131	278.532178	28.667905	1983.62	2072.80
7	GUIDE	277620192	9.30	2683	-0.090	-0.148	0.106	0.170	277.217449	29.725456	-2382.16	-1464.05

2.4 Star Slots

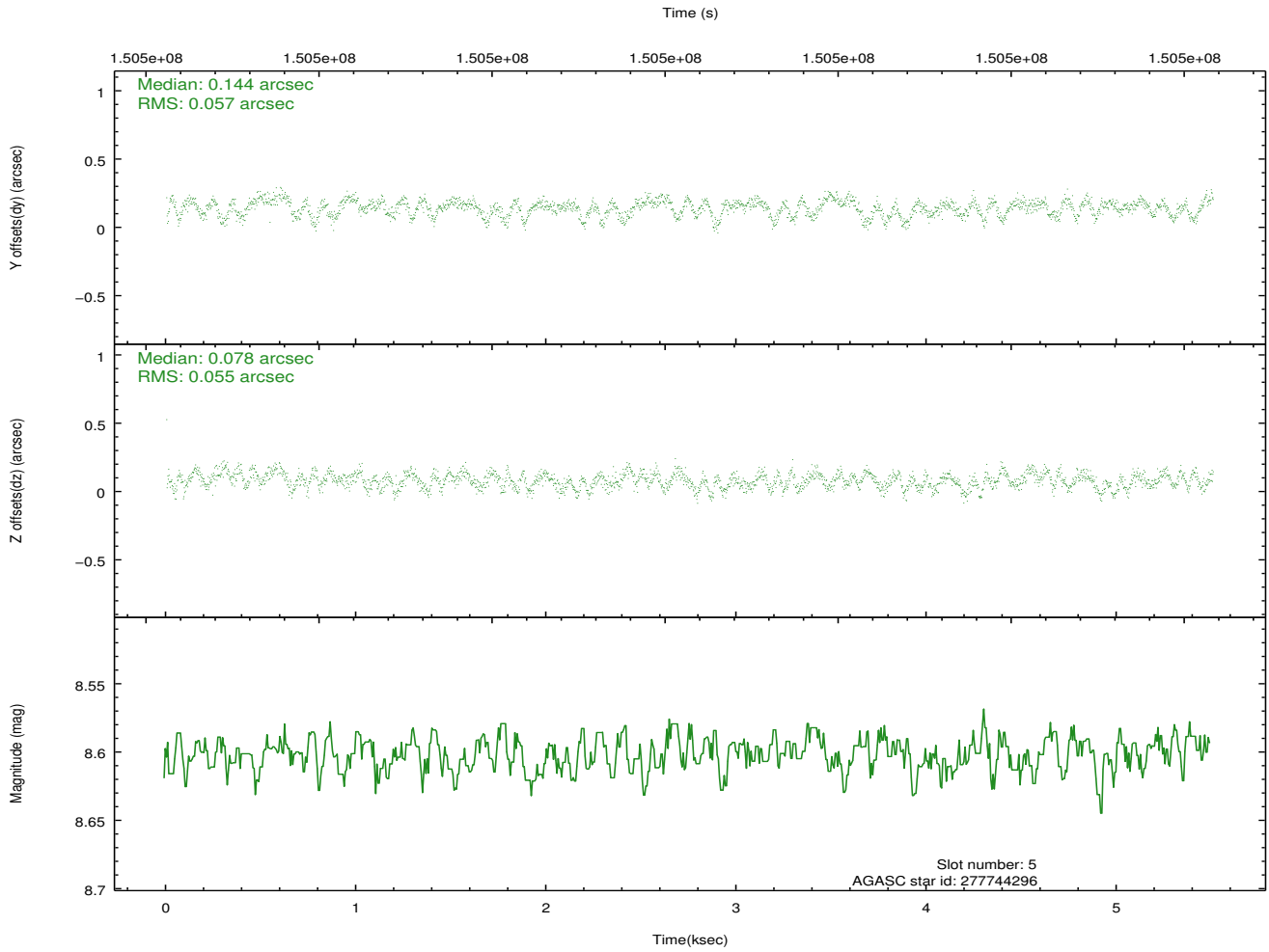
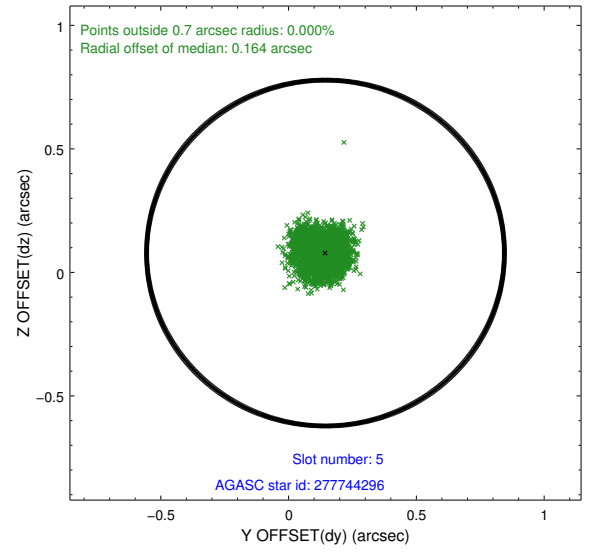
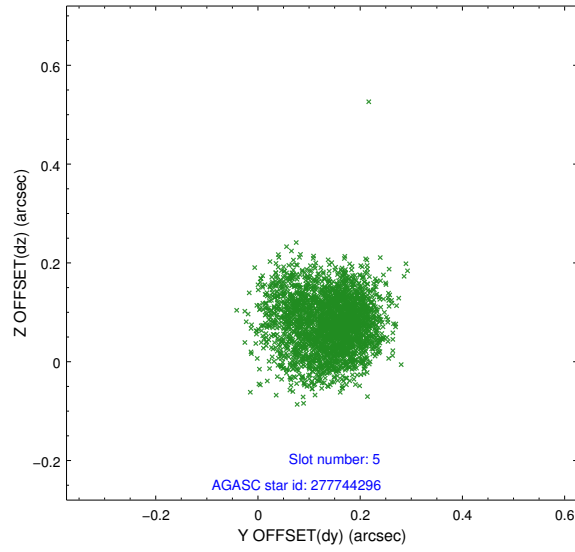
2.4.1 Slot 3



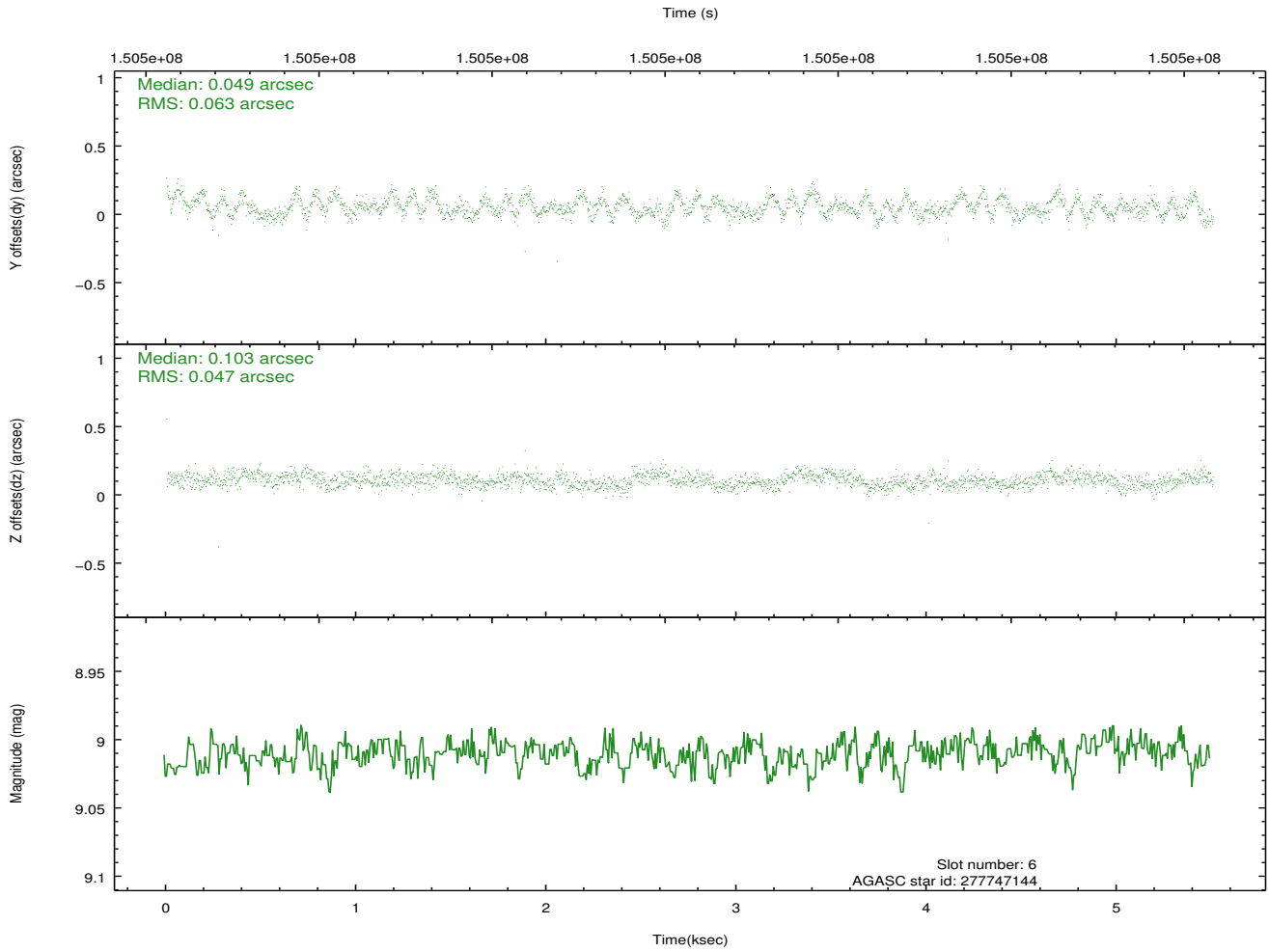
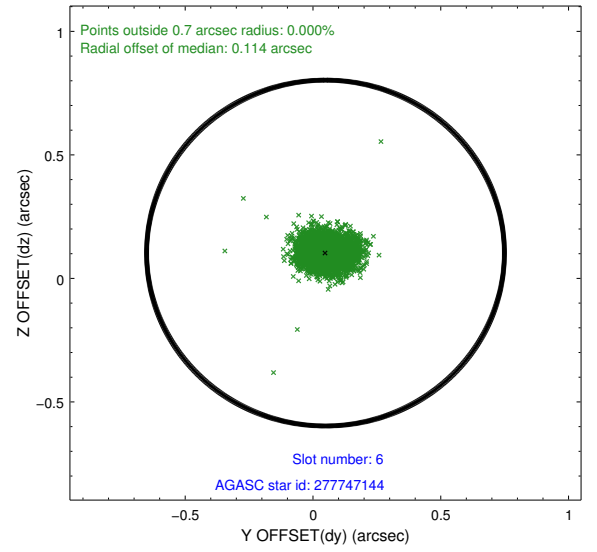
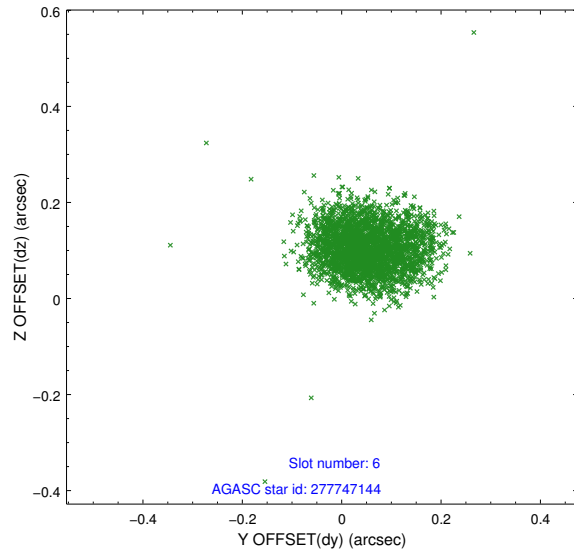
2.4.2 Slot 4



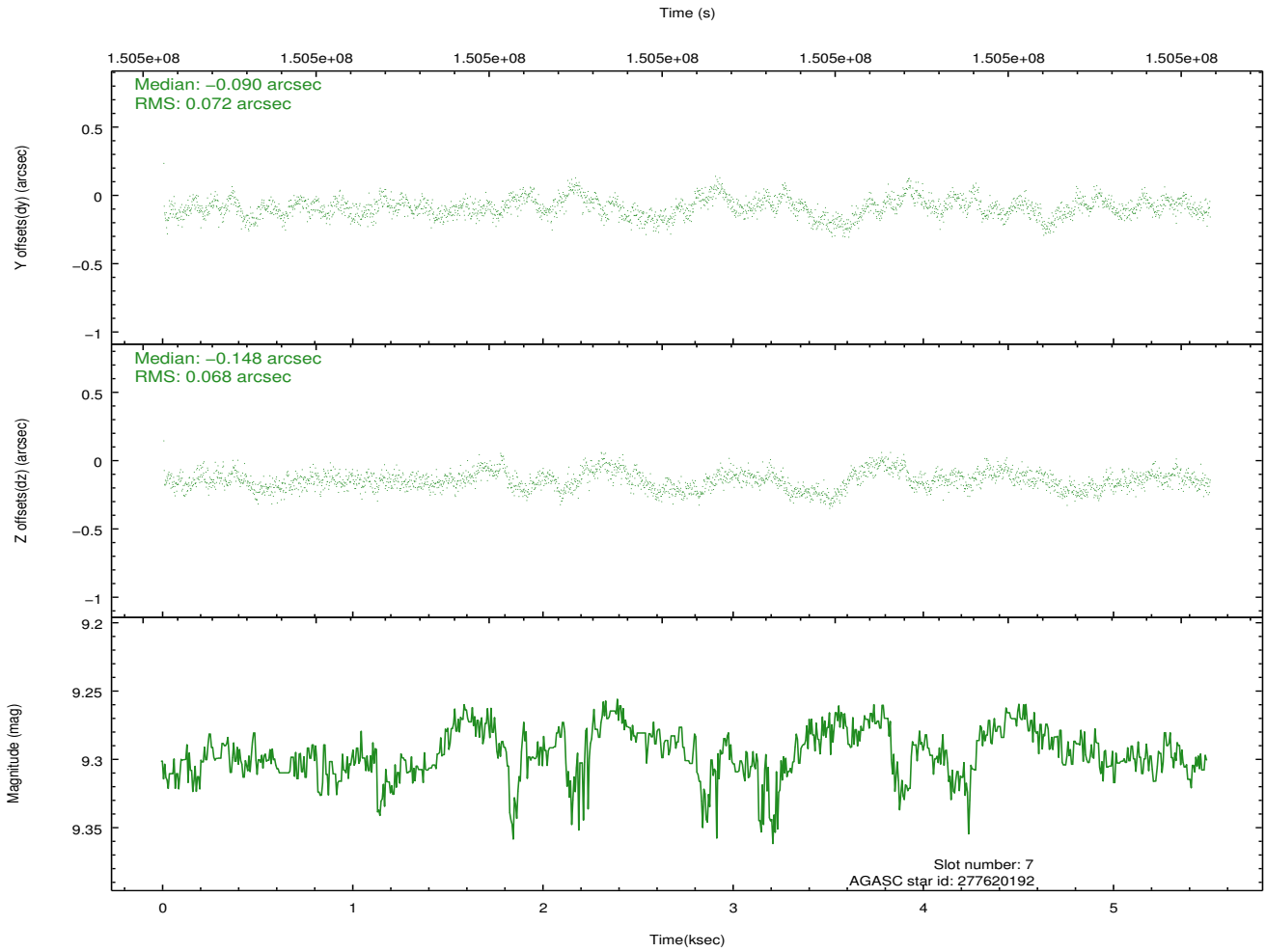
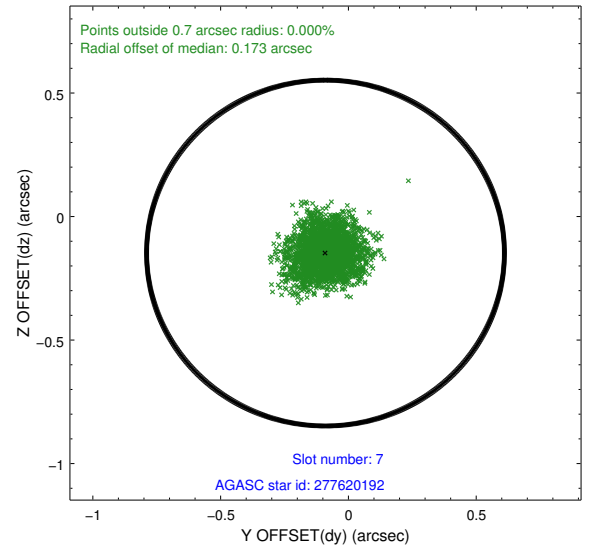
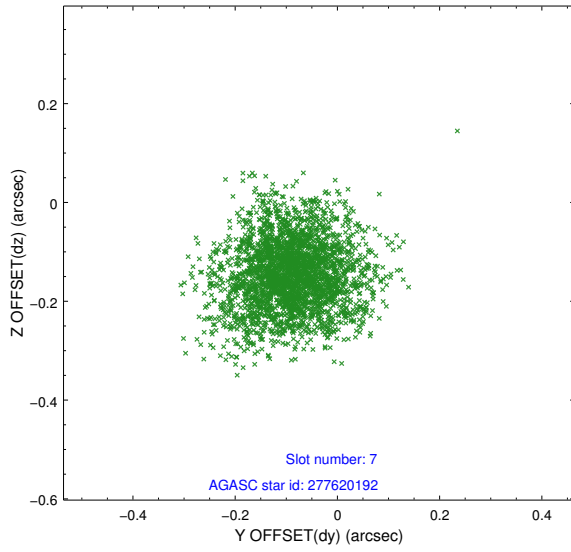
2.4.3 Slot 5



2.4.4 Slot 6

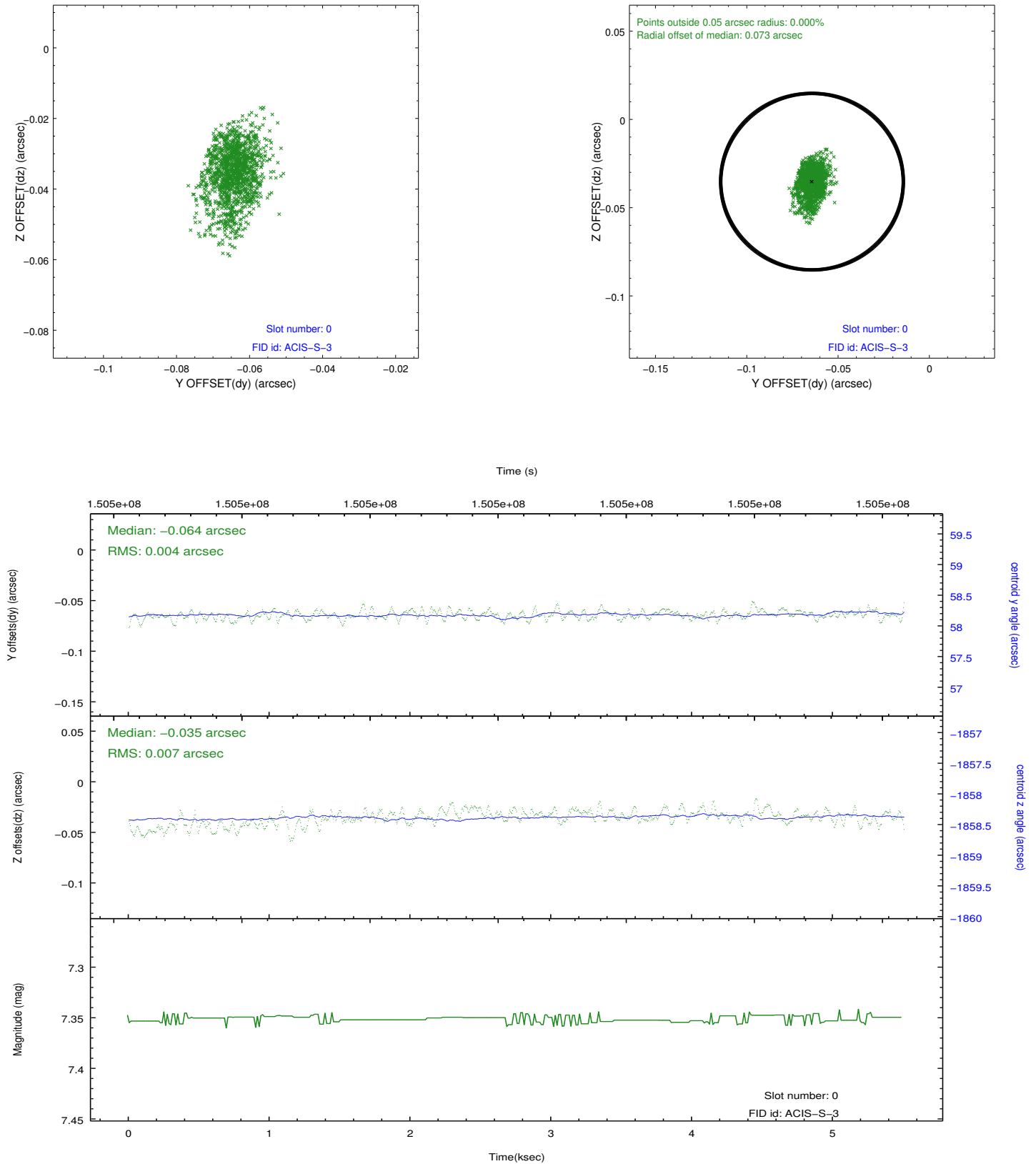


2.4.5 Slot 7

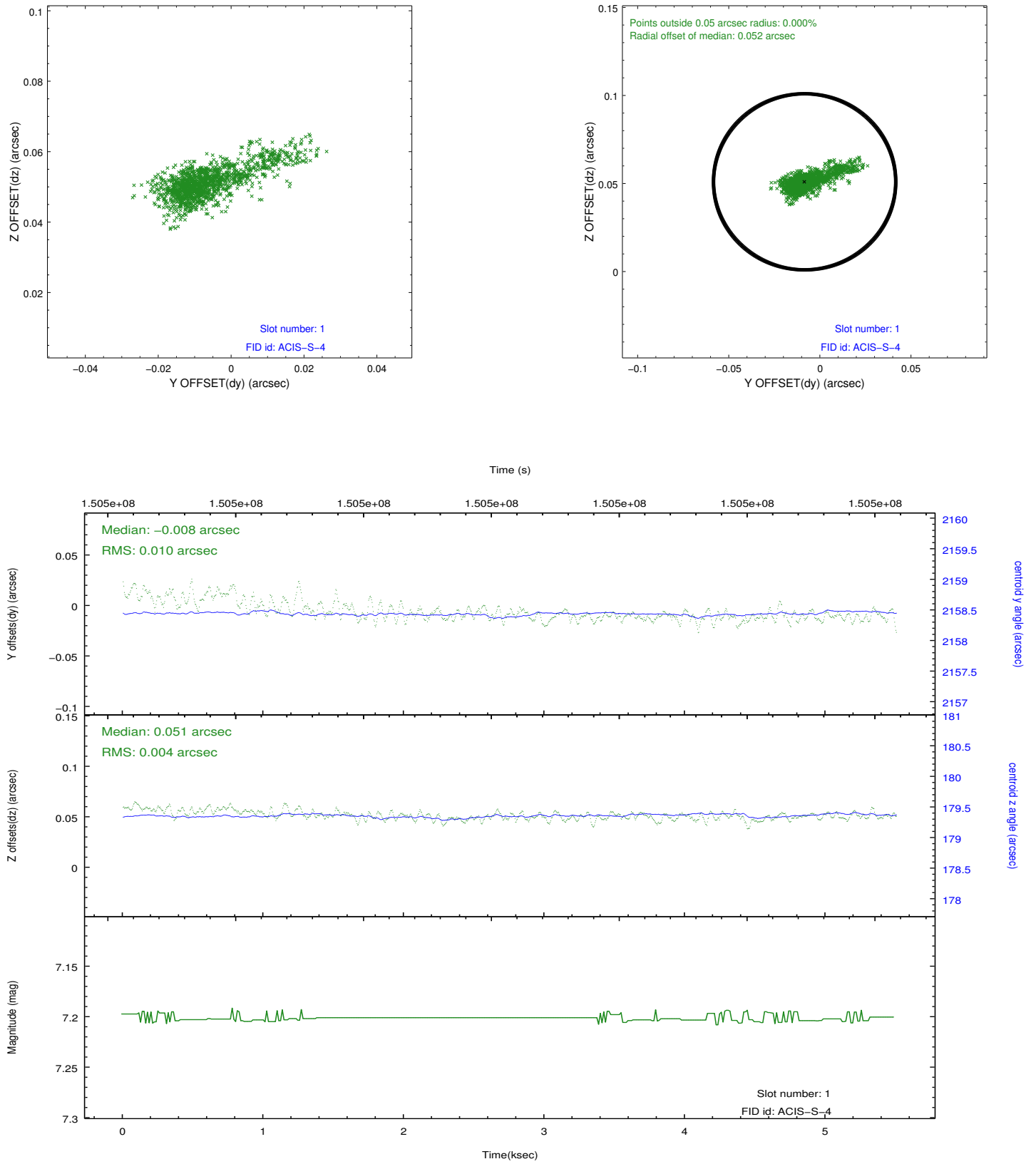


2.5 FID Slots

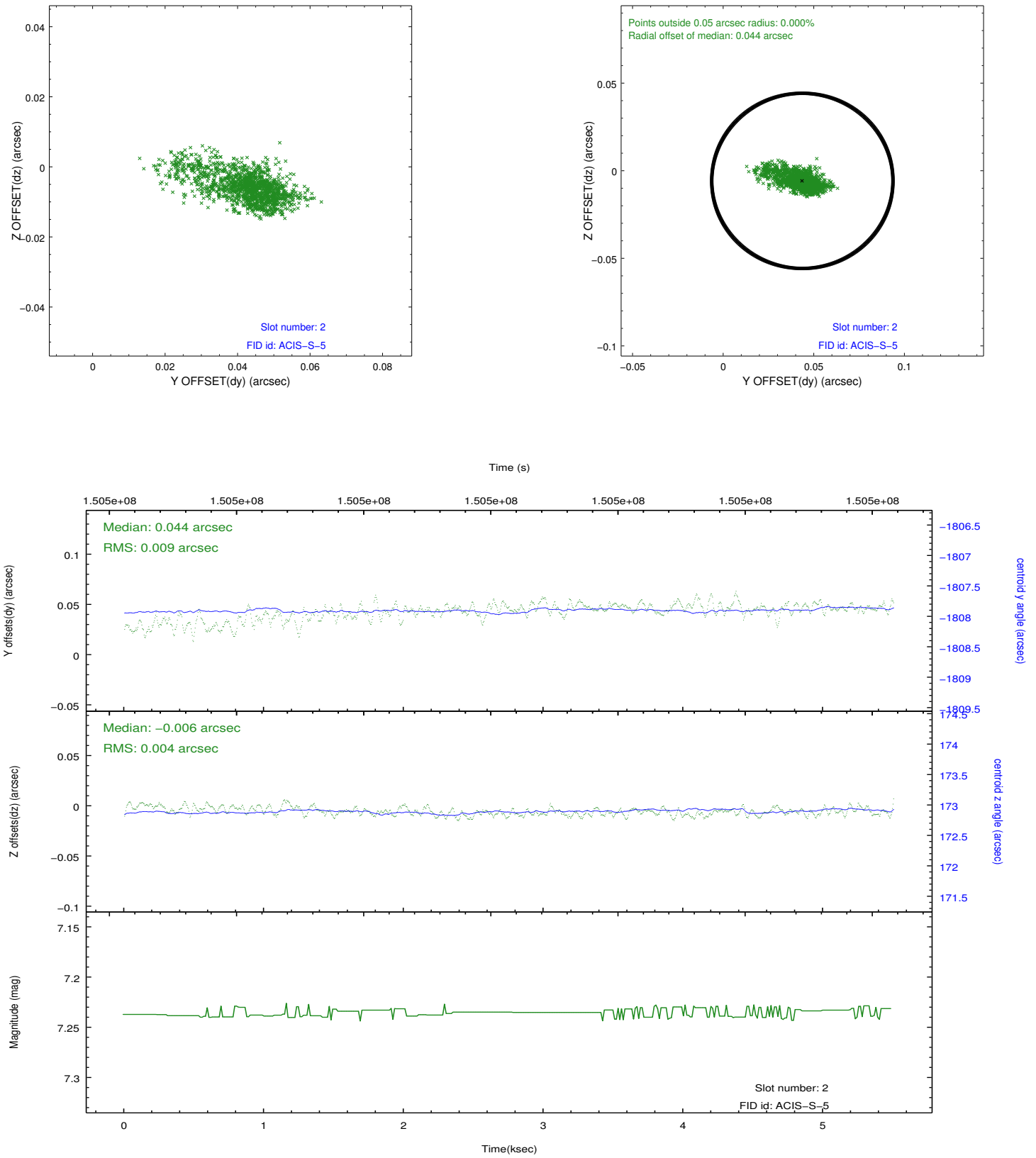
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.487

A.2 Comments

Joint proposal with HST and NOAO.