

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2515 - L2 Version 3
Chandra X-Ray Center

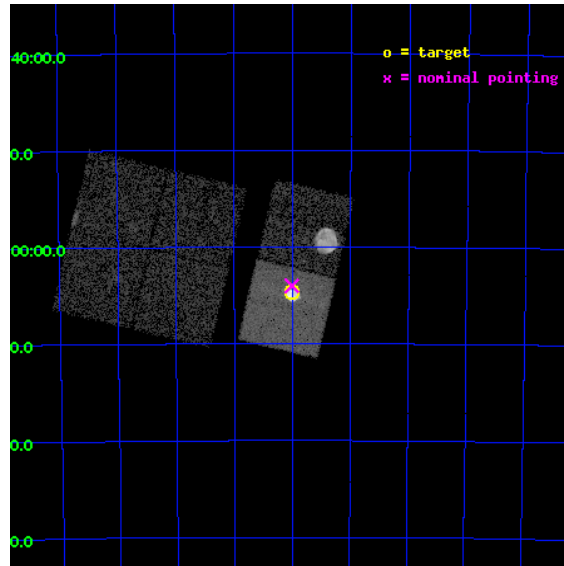
L2 Processing Date : Sep 23 2012

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

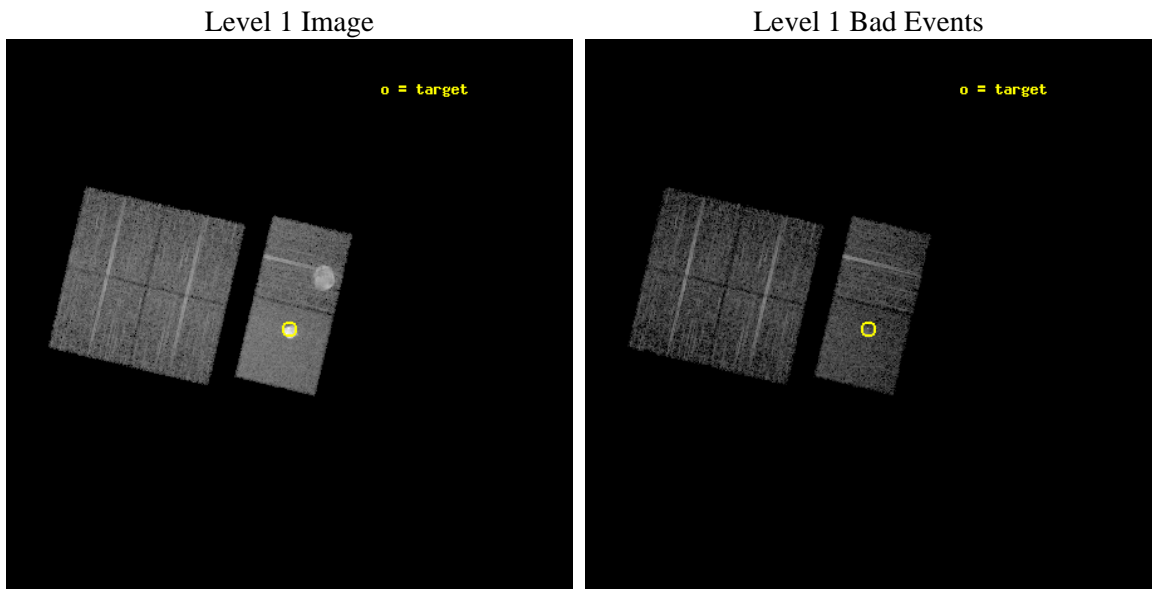
seq_num	500134	Sequence number
obs_id	2515	Observation id
title	THE X-RAY COUNTERPART OF 5 MARCH 1979	Proposal title
observer	Prof. Shrinivas Kulkarni	Principal investigator
object	SGR 0526-66	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.503333	Observer's specified target RA [deg]
dec_targ	-66.076806	Observer's specified target Dec [deg]
ra_nom	81.50203056693	Nominal RA [deg]
dec_nom	-66.067027535545	Nominal Dec [deg]
roll_nom	103.27376241876	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6982.400006488	Sum of GTIs [s]
livetime	6893.9846533093	Livetime [s]
ontime0	6982.400006488	Sum of GTIs [s]
ontime1	6982.400006488	Sum of GTIs [s]
ontime2	6982.400006488	Sum of GTIs [s]
ontime3	6982.400006488	Sum of GTIs [s]
ontime6	6982.400006488	Sum of GTIs [s]
ontime7	6982.400006488	Sum of GTIs [s]
l2events	114358	Number of level 2 events



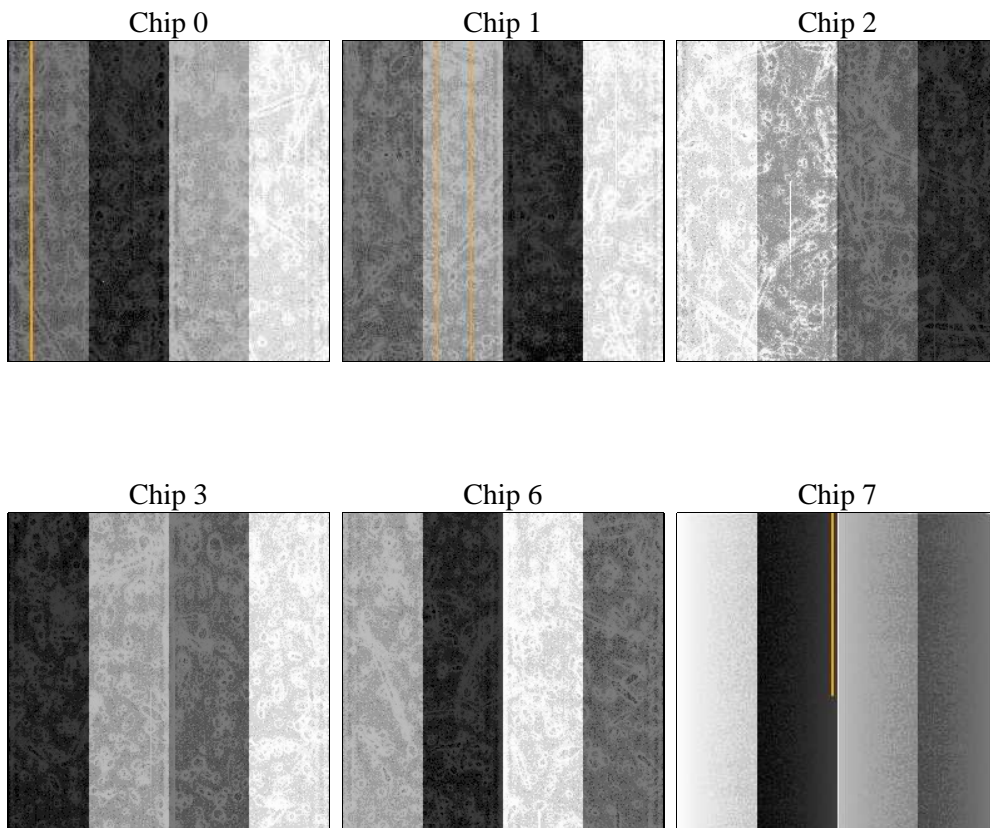
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7031.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6982.400006488	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	6982.400006488	Sum of GTIs [s]
date	2012-09-23T13:24:48	Date and time of file creation	ontime1	6982.400006488	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6982.400006488	Sum of GTIs [s]
			ontime3	6982.400006488	Sum of GTIs [s]
			ontime6	6982.400006488	Sum of GTIs [s]
			ontime7	6982.400006488	Sum of GTIs [s]
			l1events	331237	Number of level 1 events

2.1.4 Events

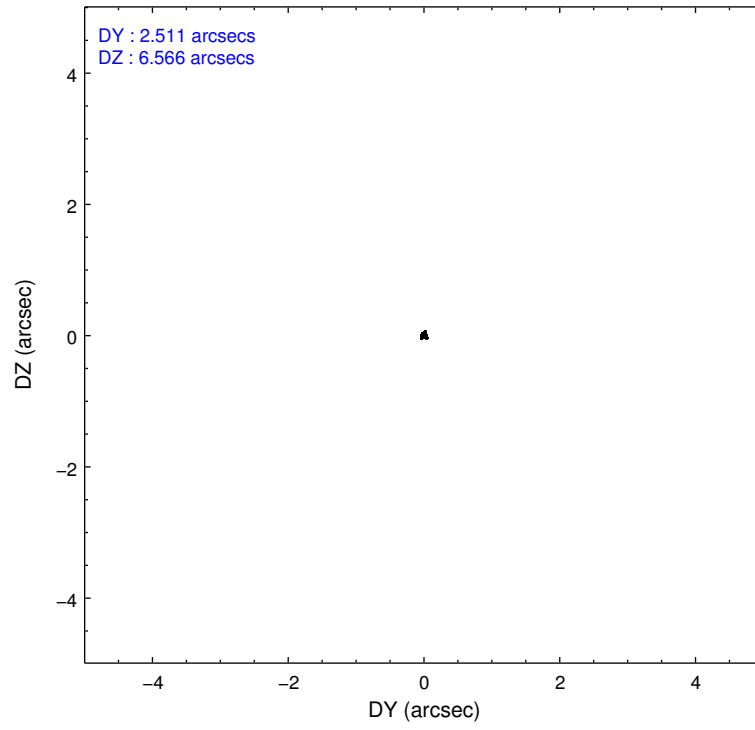
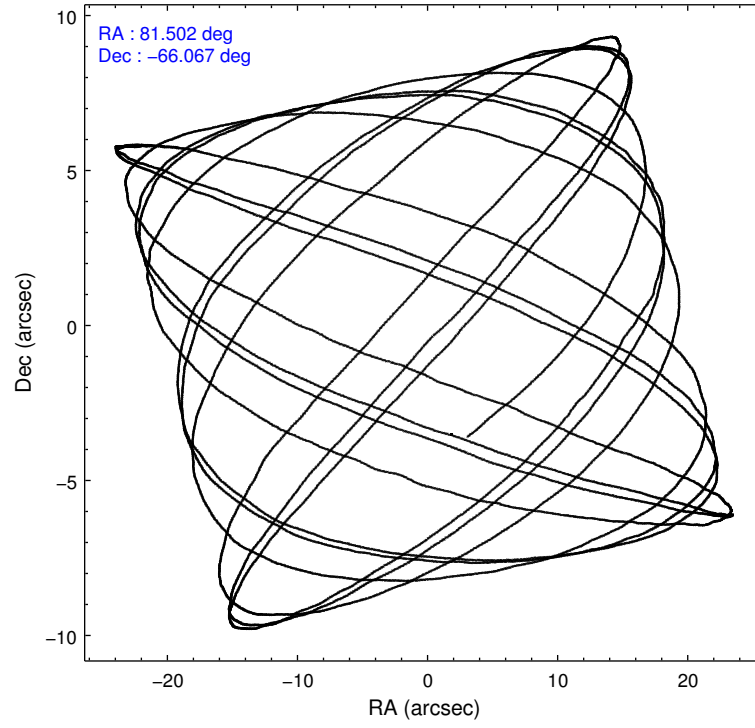
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	39967	38644	41385	40851	60245	110145	grade 0 events	2369	2126	2066	1993	17314	21956
rejected events	34678	33551	36613	36076	38093	32392		5%	5%	4%	4%	28%	19%
rejected %	86%	86%	88%	88%	63%	29%	grade 1 events	31	14	12	13	57	185
								0%	0%	0%	0%	0%	0%
							grade 2 events	1078	1001	1054	976	2158	19011
								2%	2%	2%	2%	3%	17%
							grade 3 events	517	499	423	461	755	8849
								1%	1%	1%	1%	1%	8%
							grade 4 events	426	533	427	447	860	8635
								1%	1%	1%	1%	1%	7%
							grade 5 events	1558	1642	1428	1654	1788	5613
								3%	4%	3%	4%	2%	5%
							grade 6 events	899	939	802	899	1071	19339
								2%	2%	1%	2%	1%	17%
							grade 7 events	33089	31890	35173	34408	36242	26557
								82%	82%	84%	84%	60%	24%

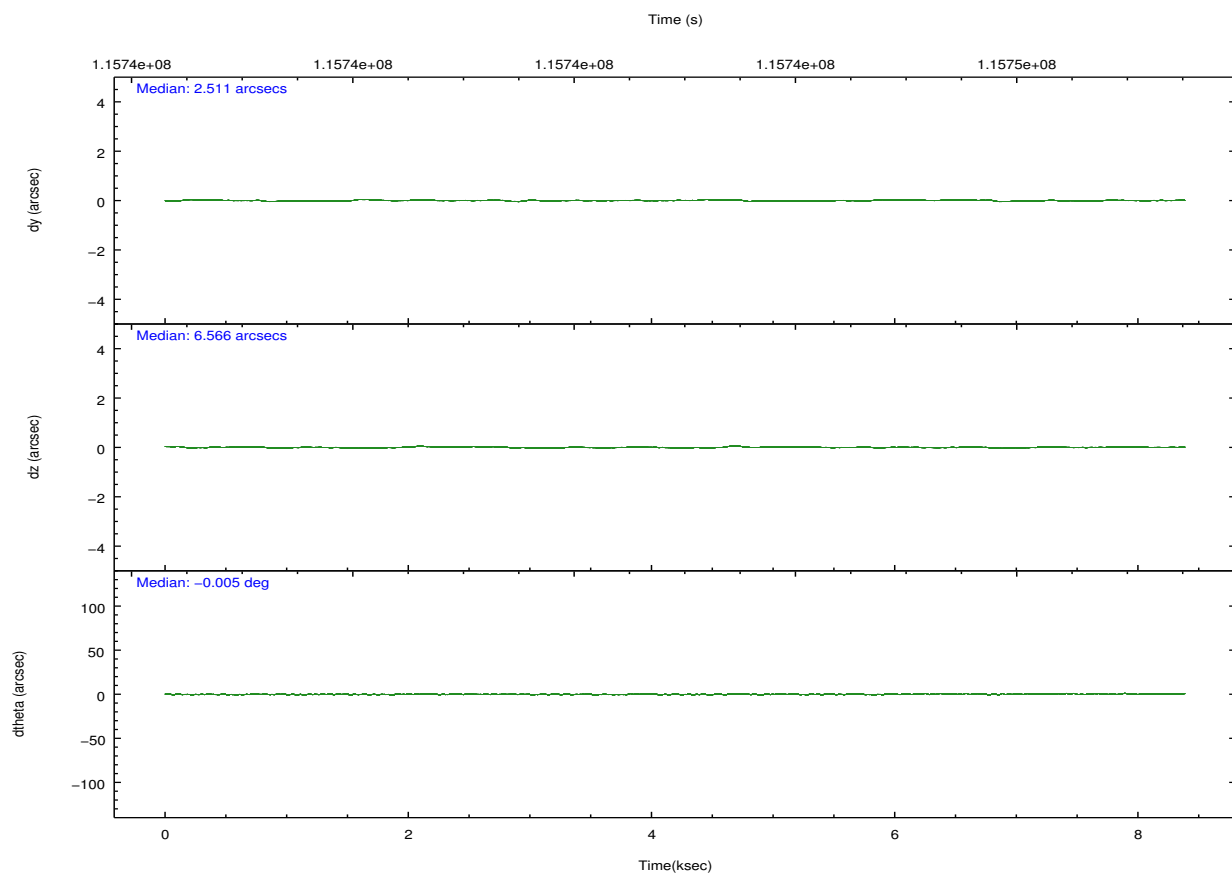
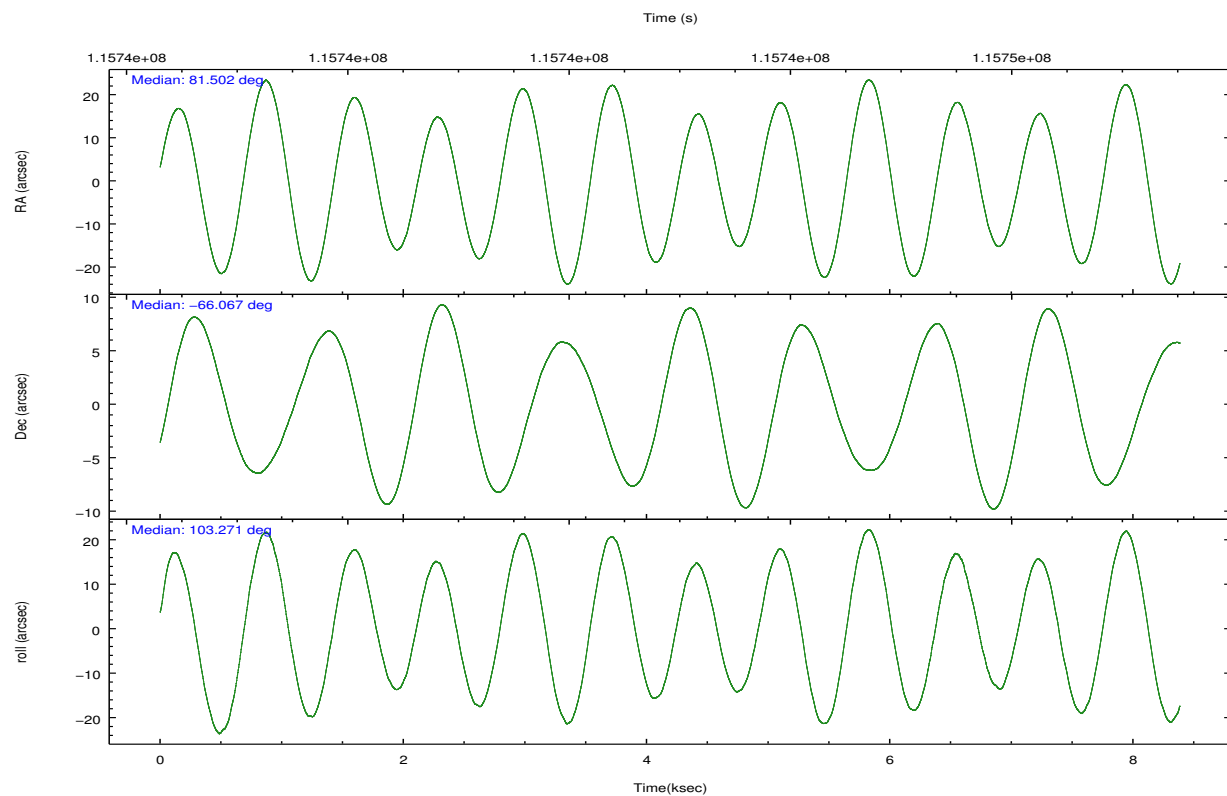
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	81.548725	81.50203056692985
[deg] Pointing Dec	-66.086723	-66.06702753554519
[deg] Pointing Roll	103.159821	103.2737624187604
[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)	115740075.184000	115738528.94408
Observation start date	2001-09-01T14:00:11	2001-09-01T13:35:28
[s] Observation end time (MET)	115747106.184000	115747329.08193
Observation end date	2001-09-01T15:57:22	2001-09-01T16:02:09
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



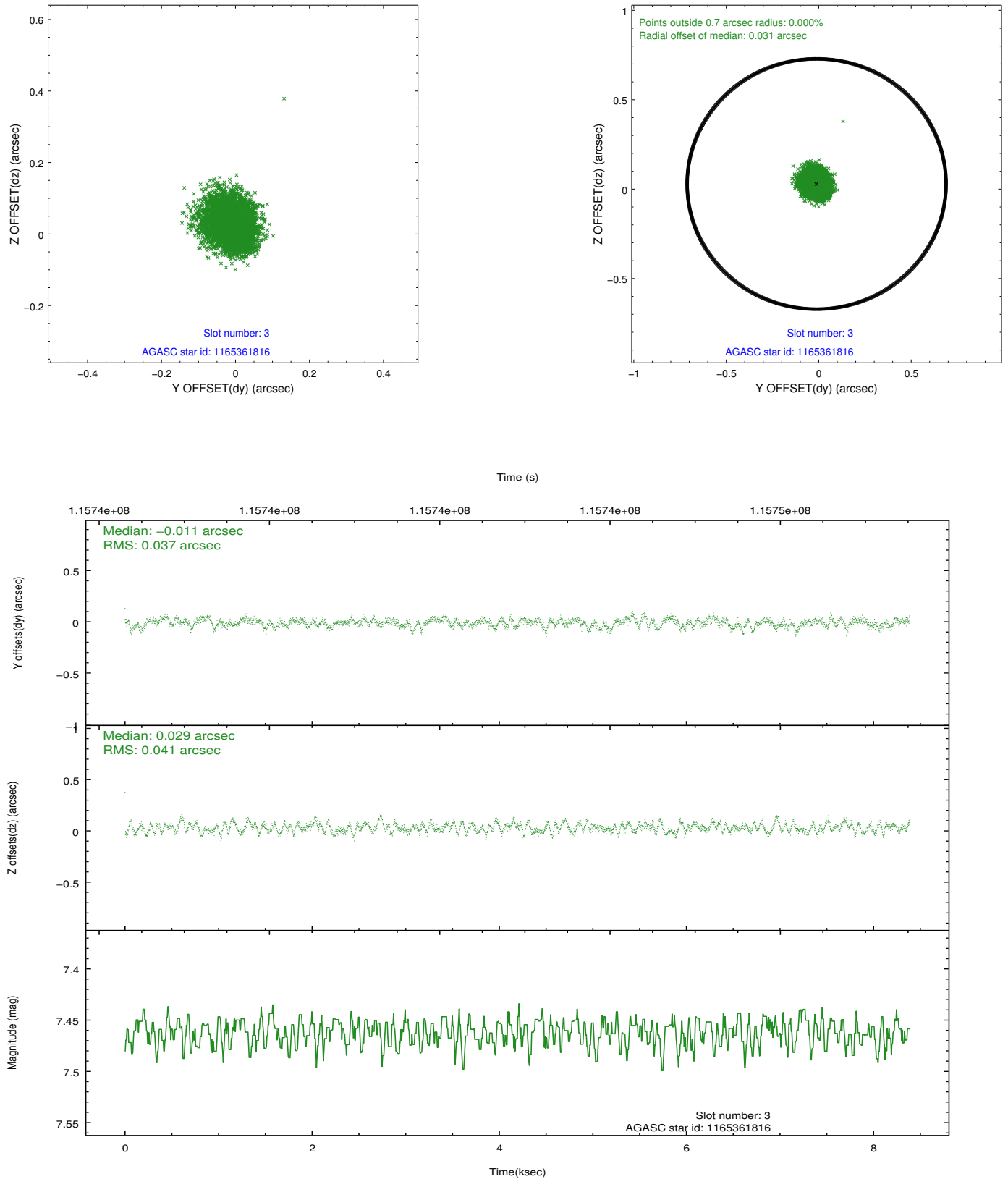


Slot Statistics

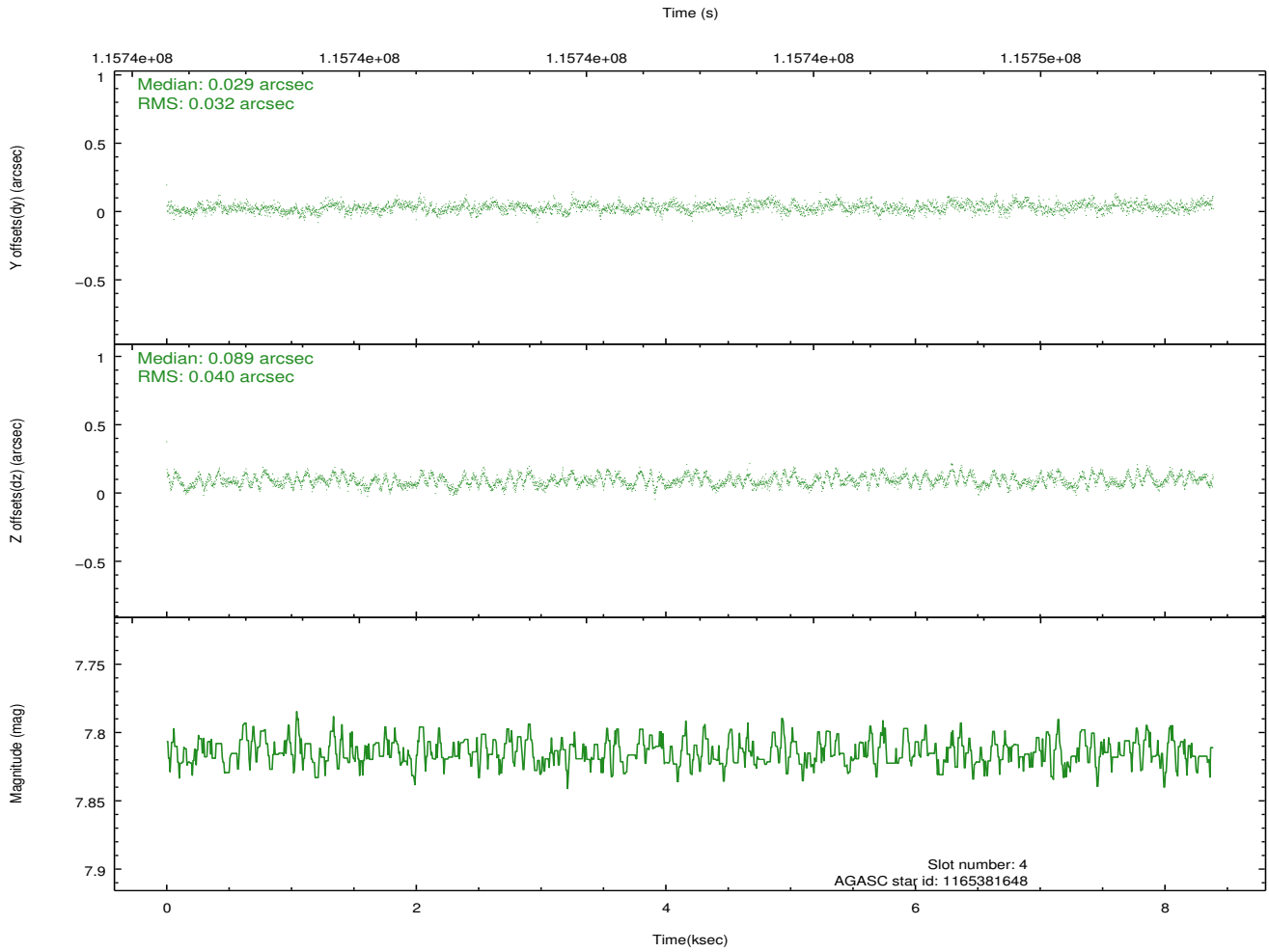
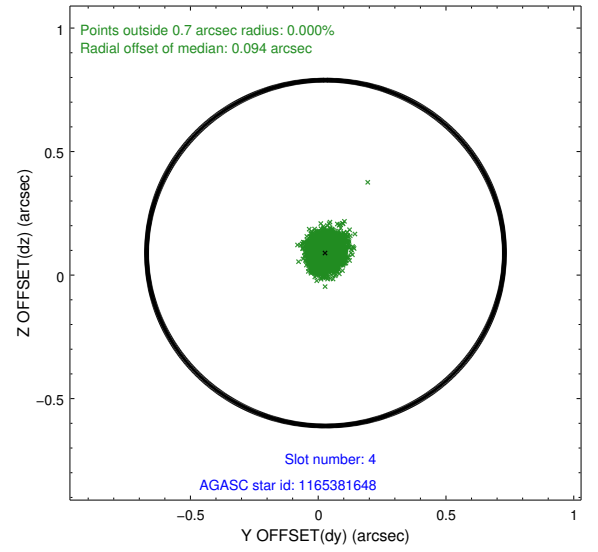
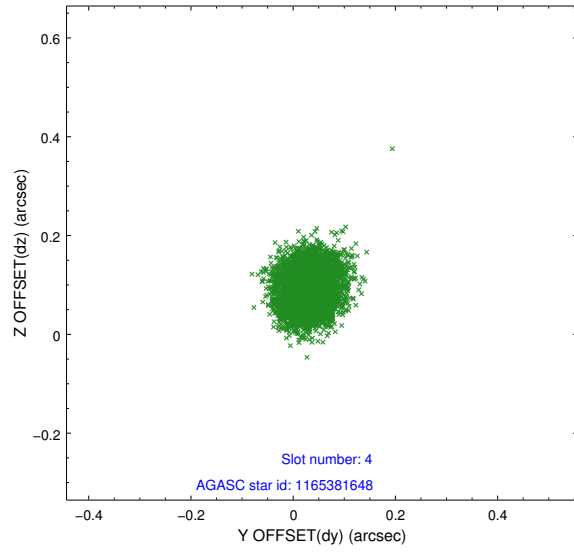
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2046	-0.030	0.002	0.009	0.016	0.000000	0.000000	-755.14	-1727.68
1	FID	ACIS-S-4	7.20	2046	-0.032	0.014	0.010	0.019	0.000000	0.000000	2157.80	180.18
2	FID	ACIS-S-5	7.24	2046	0.031	-0.007	0.008	0.014	0.000000	0.000000	-1807.10	174.52
3	GUIDE	1165361816	7.46	4091	-0.011	0.029	0.059	0.094	81.473501	-65.742228	1232.68	-173.39
4	GUIDE	1165381648	7.82	4092	0.029	0.089	0.055	0.085	82.276989	-66.687009	-2346.19	-516.51
5	GUIDE	1165236048	7.71	4092	-0.055	-0.126	0.063	0.105	80.001541	-66.057801	587.97	2183.72
6	GUIDE	1165382424	8.38	4091	0.057	-0.008	0.076	0.121	82.355152	-66.439036	-1506.42	-838.54
7	GUIDE	1165237552	9.67	4087	-0.017	0.020	0.089	0.147	80.257142	-65.800667	1416.94	1626.26

2.4 Star Slots

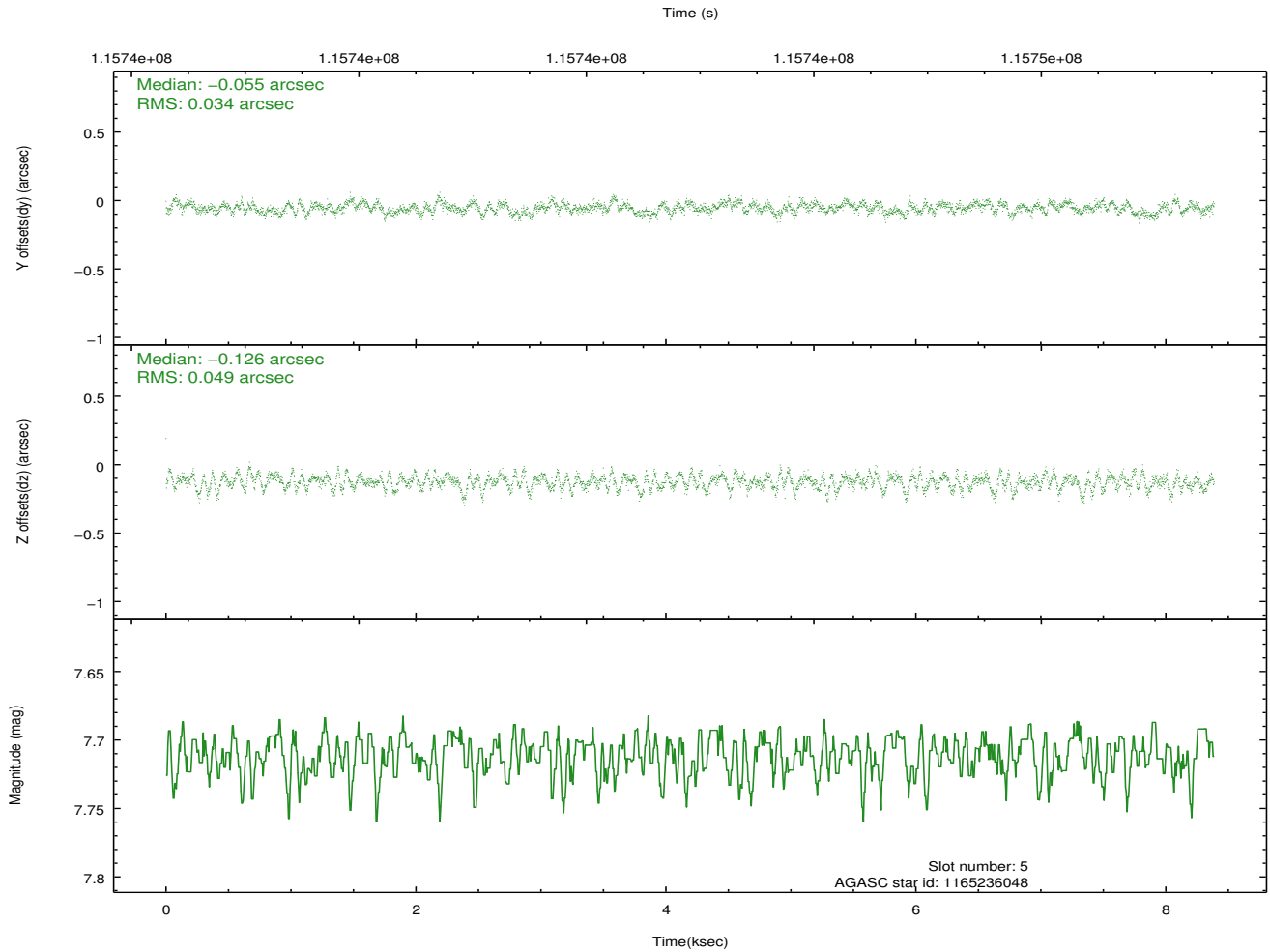
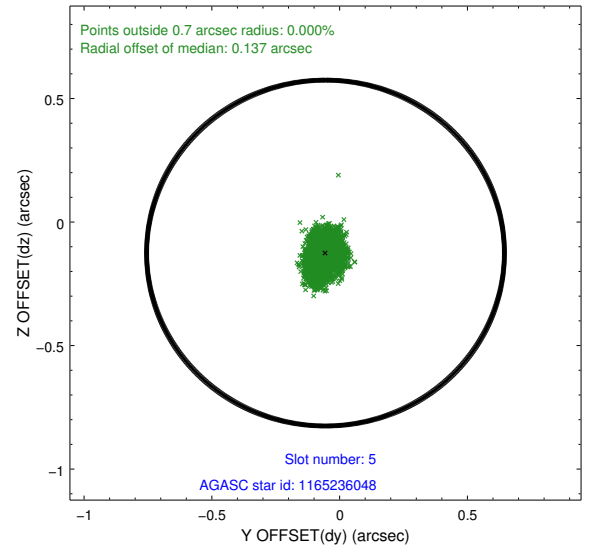
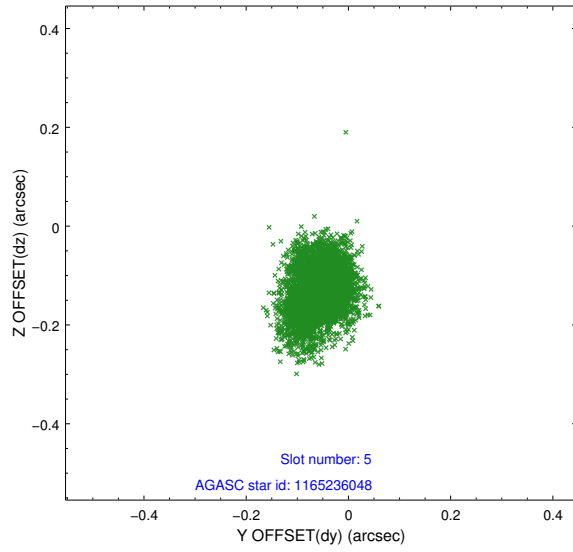
2.4.1 Slot 3



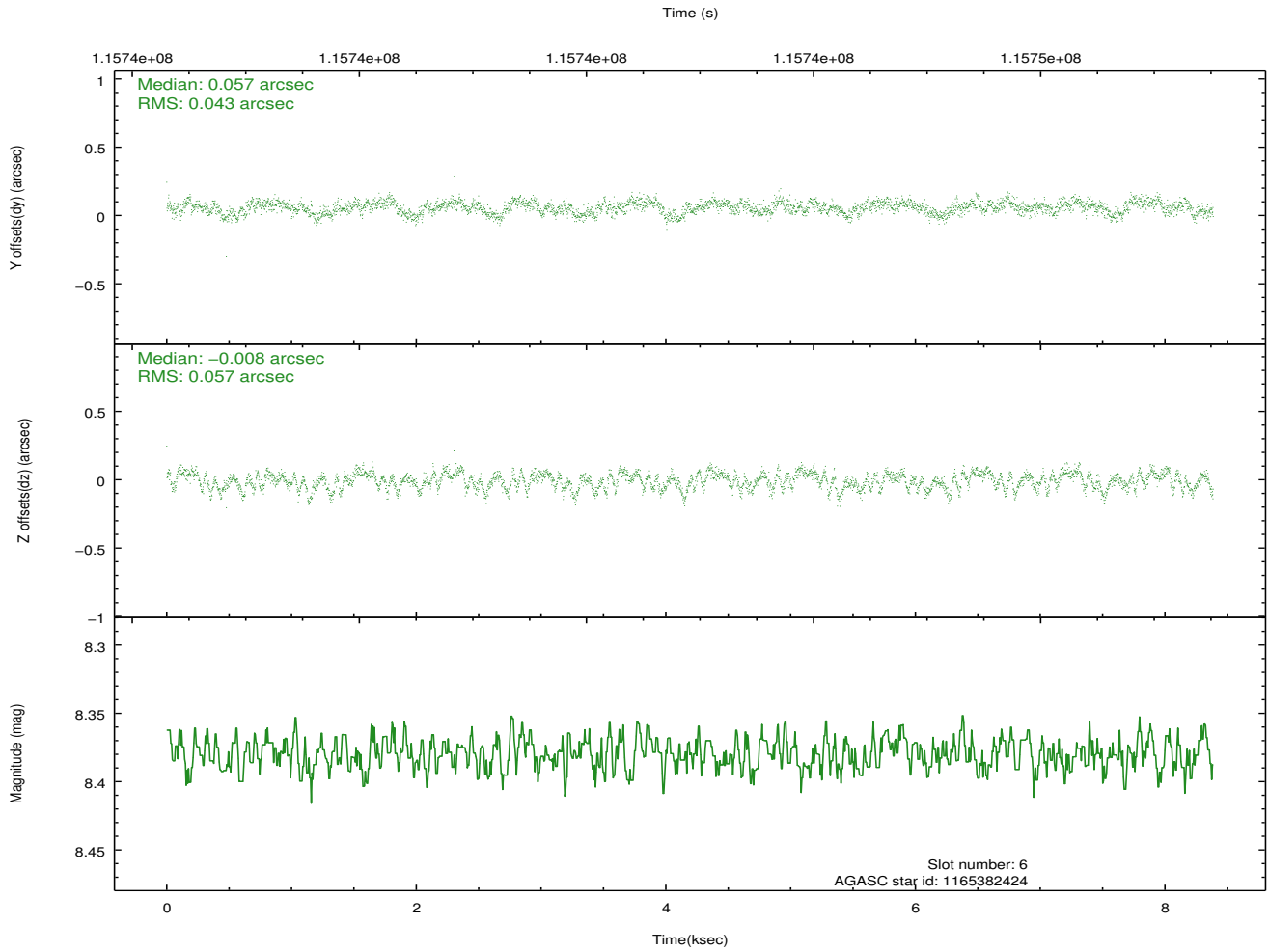
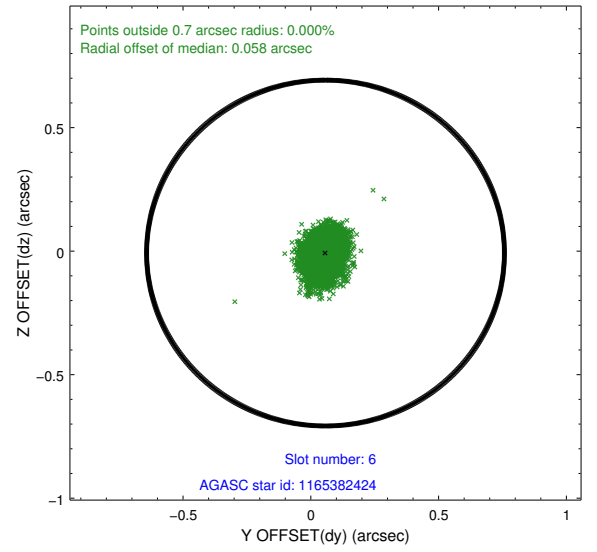
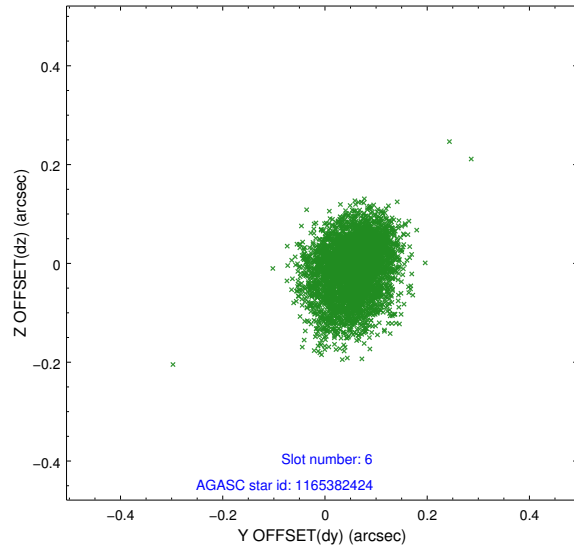
2.4.2 Slot 4



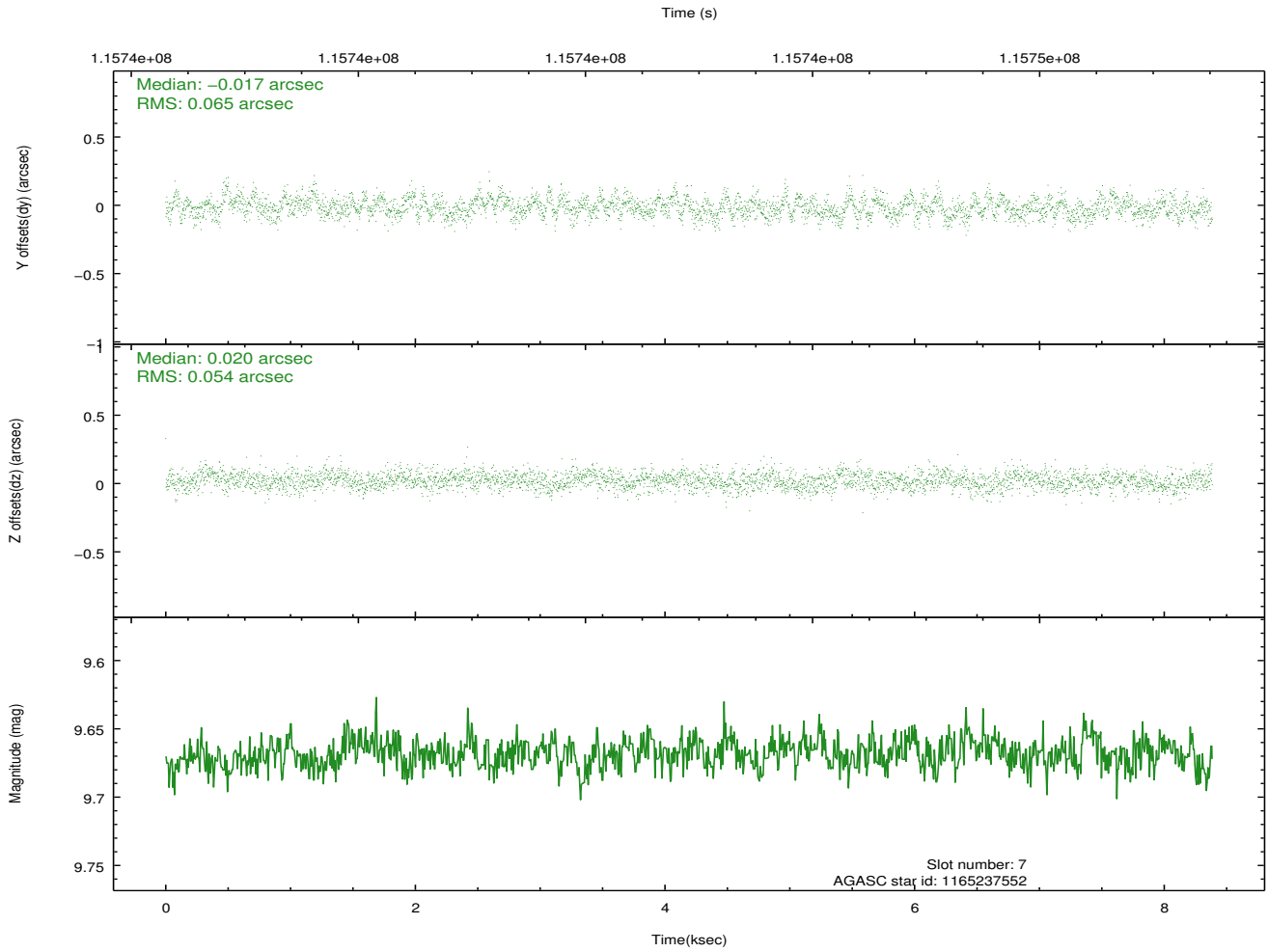
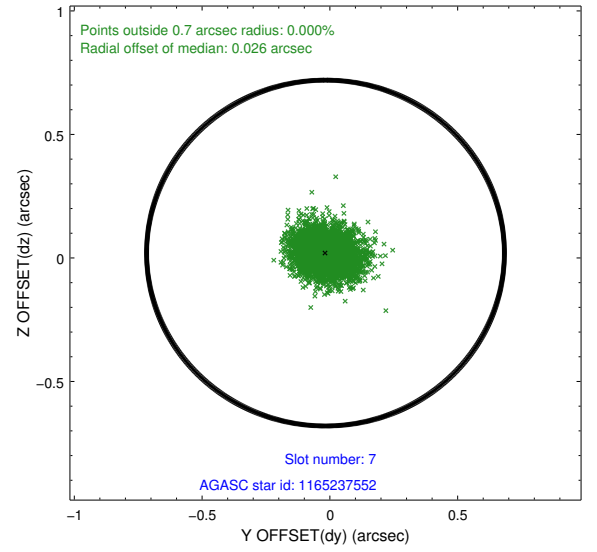
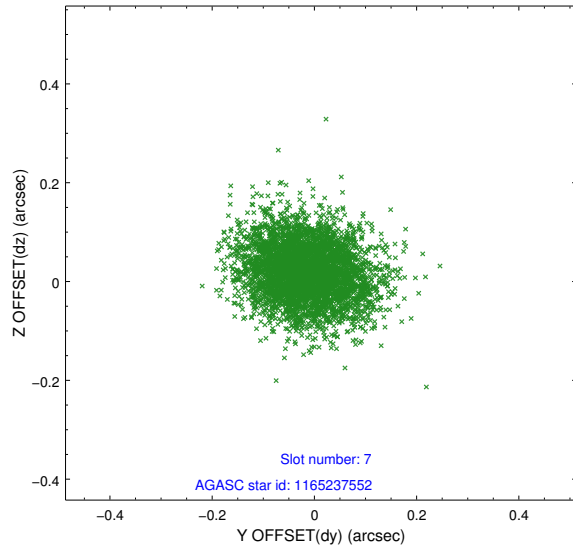
2.4.3 Slot 5



2.4.4 Slot 6

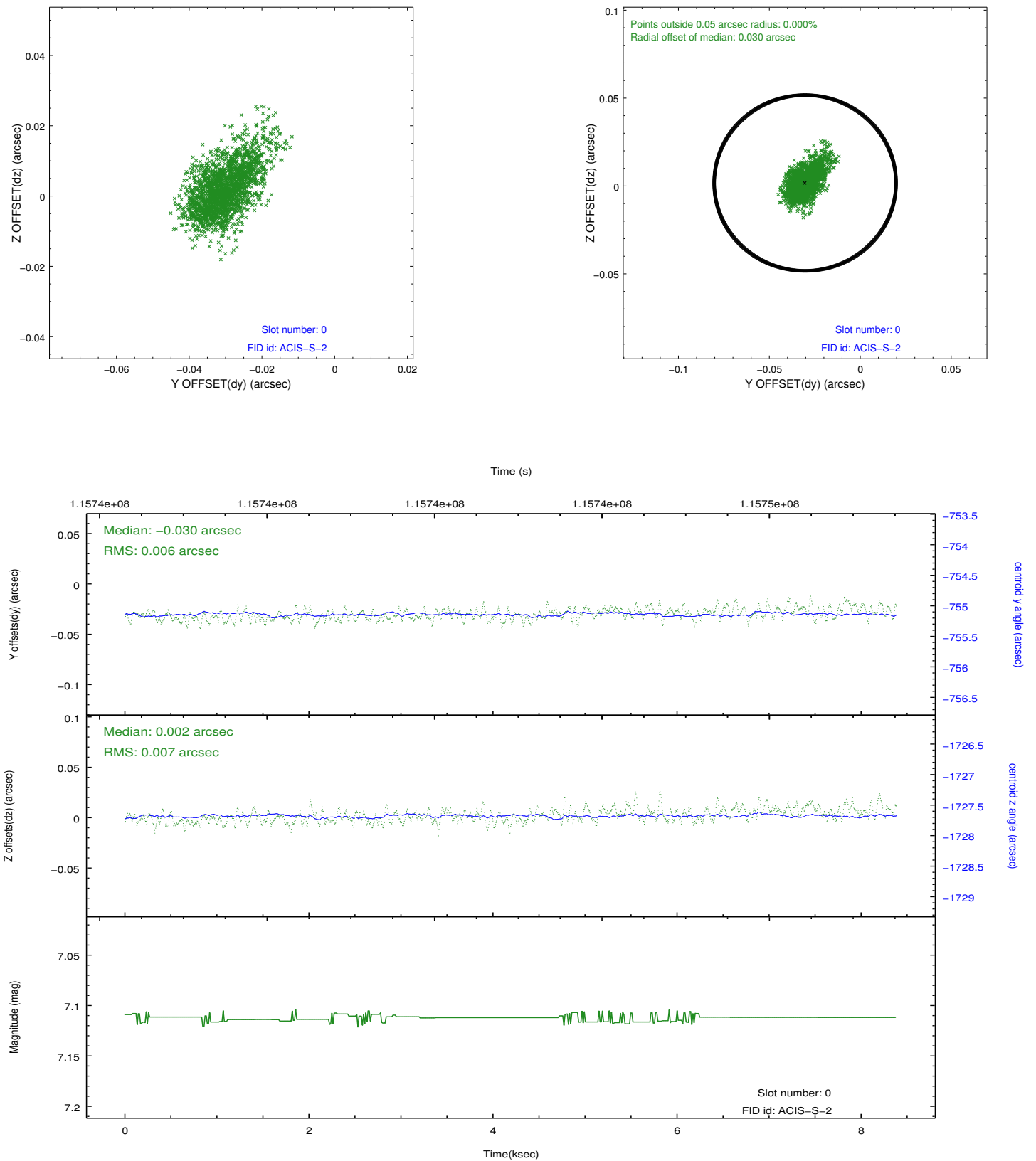


2.4.5 Slot 7

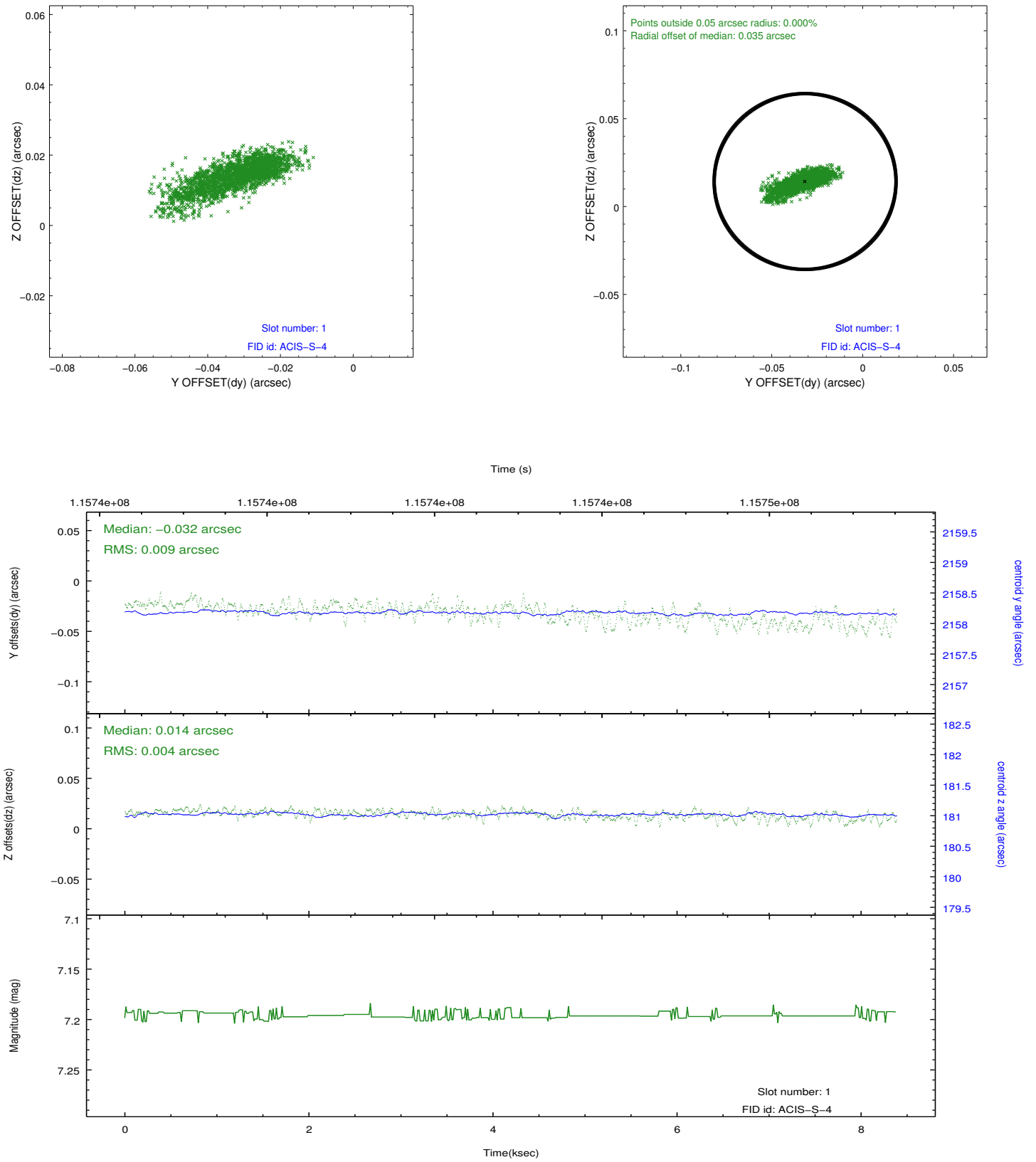


2.5 FID Slots

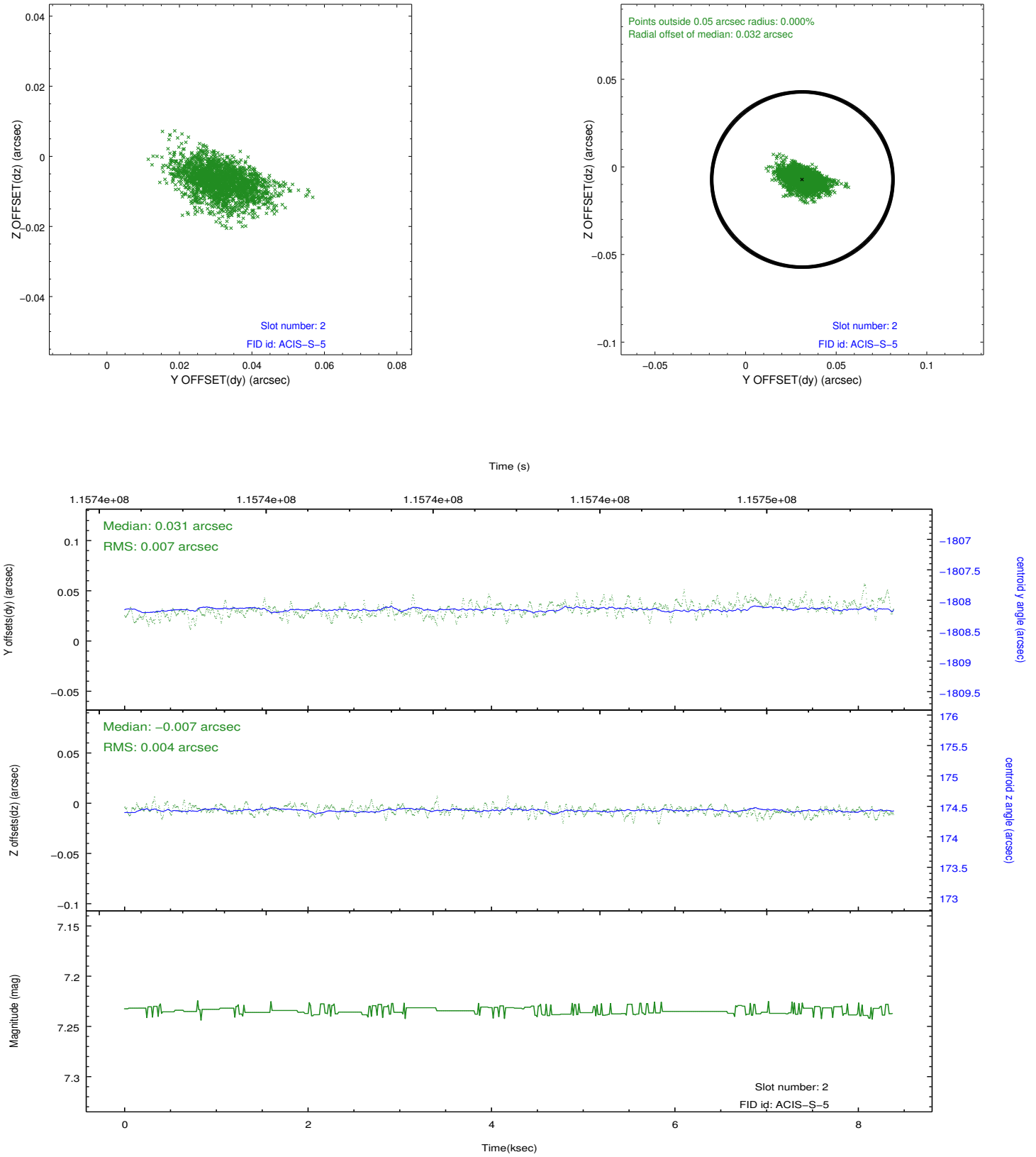
2.5.1 Slot 0



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)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.986

A.2 Comments