

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11489 - L2 Version 2
Chandra X-Ray Center

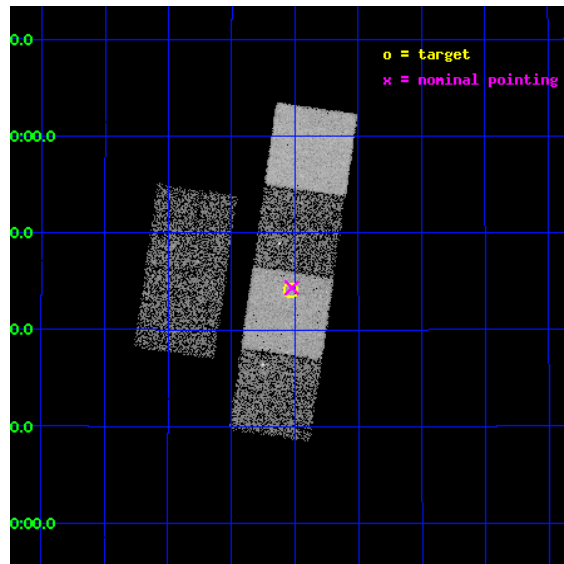
L2 Processing Date : Jun 19 2012

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

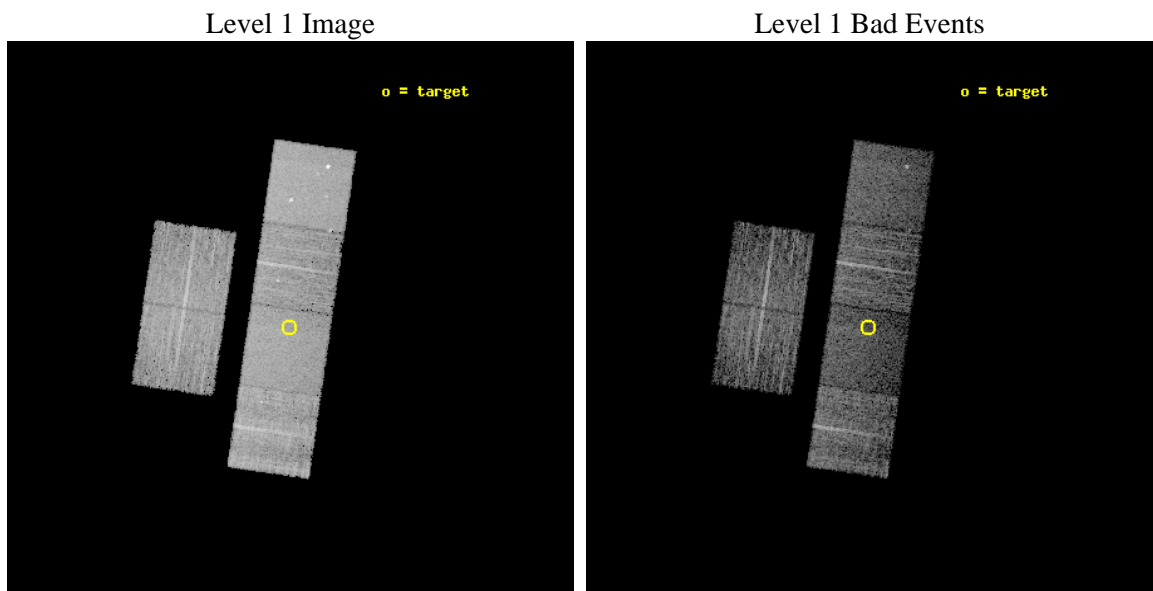
seq_num	702075	Sequence number
obs_id	11489	Observation id
title	Hunting for Intrinsically X-ray Weak Quasars: The Case of PHL 1811 Analogs	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS J0946+2744	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	146.509583	Observer's specified target RA [deg]
dec_targ	27.735278	Observer's specified target Dec [deg]
ra_nom	146.5060278617	Nominal RA [deg]
dec_nom	27.739000330605	Nominal Dec [deg]
roll_nom	98.285485882484	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5039.9999812841	Sum of GTIs [s]
livetime	4976.1804667975	Livetime [s]
ontime2	5039.9999812841	Sum of GTIs [s]
ontime3	5039.9999812841	Sum of GTIs [s]
ontime5	5039.9999812841	Sum of GTIs [s]
ontime6	5039.9999812841	Sum of GTIs [s]
ontime7	5039.9999812841	Sum of GTIs [s]
ontime8	5039.9999812841	Sum of GTIs [s]
l2events	67872	Number of level 2 events



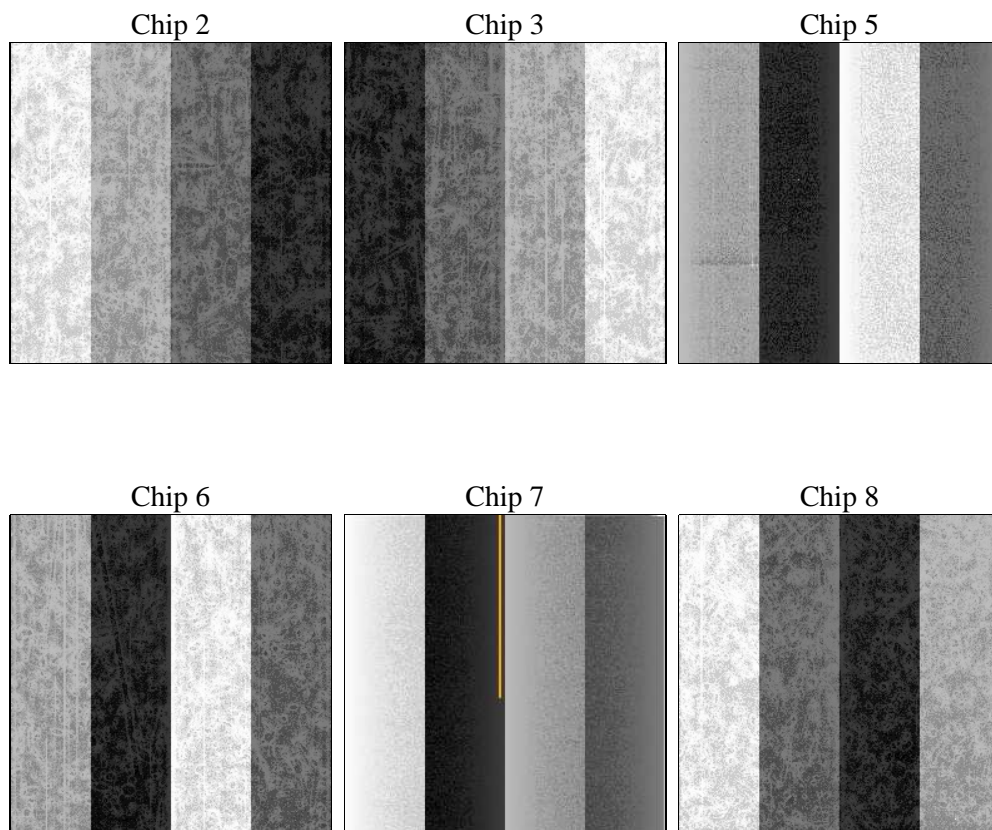
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5039.9999812841	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	5039.9999812841	Sum of GTIs [s]
date	2012-06-19T21:51:30	Date and time of file creation	ontime3	5039.9999812841	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5039.9999812841	Sum of GTIs [s]
			ontime6	5039.9999812841	Sum of GTIs [s]
			ontime7	5039.9999812841	Sum of GTIs [s]
			ontime8	5039.9999812841	Sum of GTIs [s]
			l1events	302512	Number of level 1 events

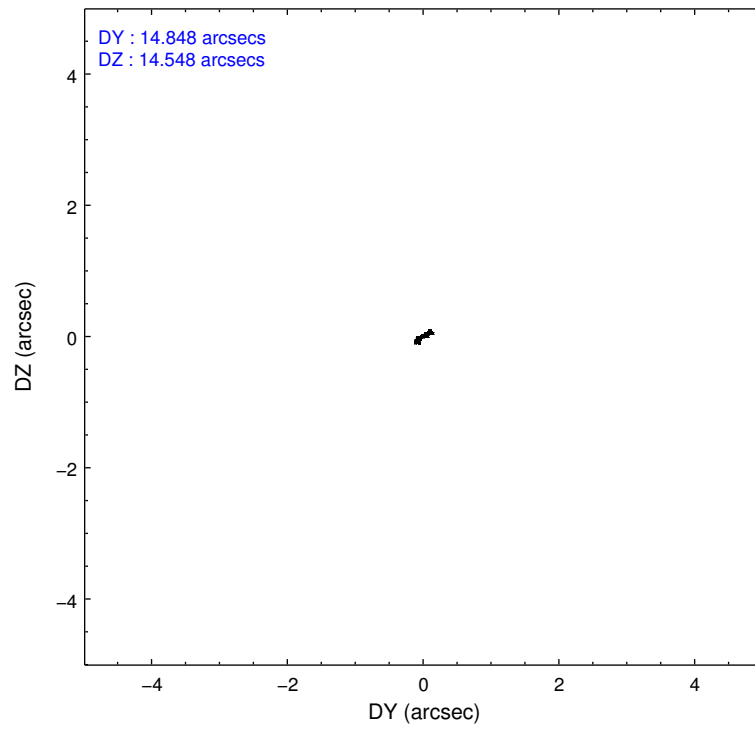
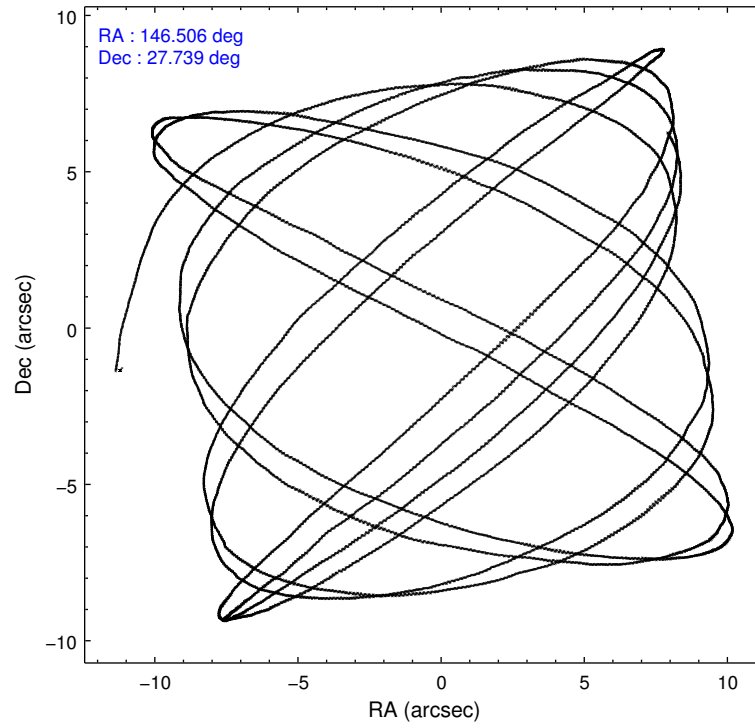
2.1.4 Events

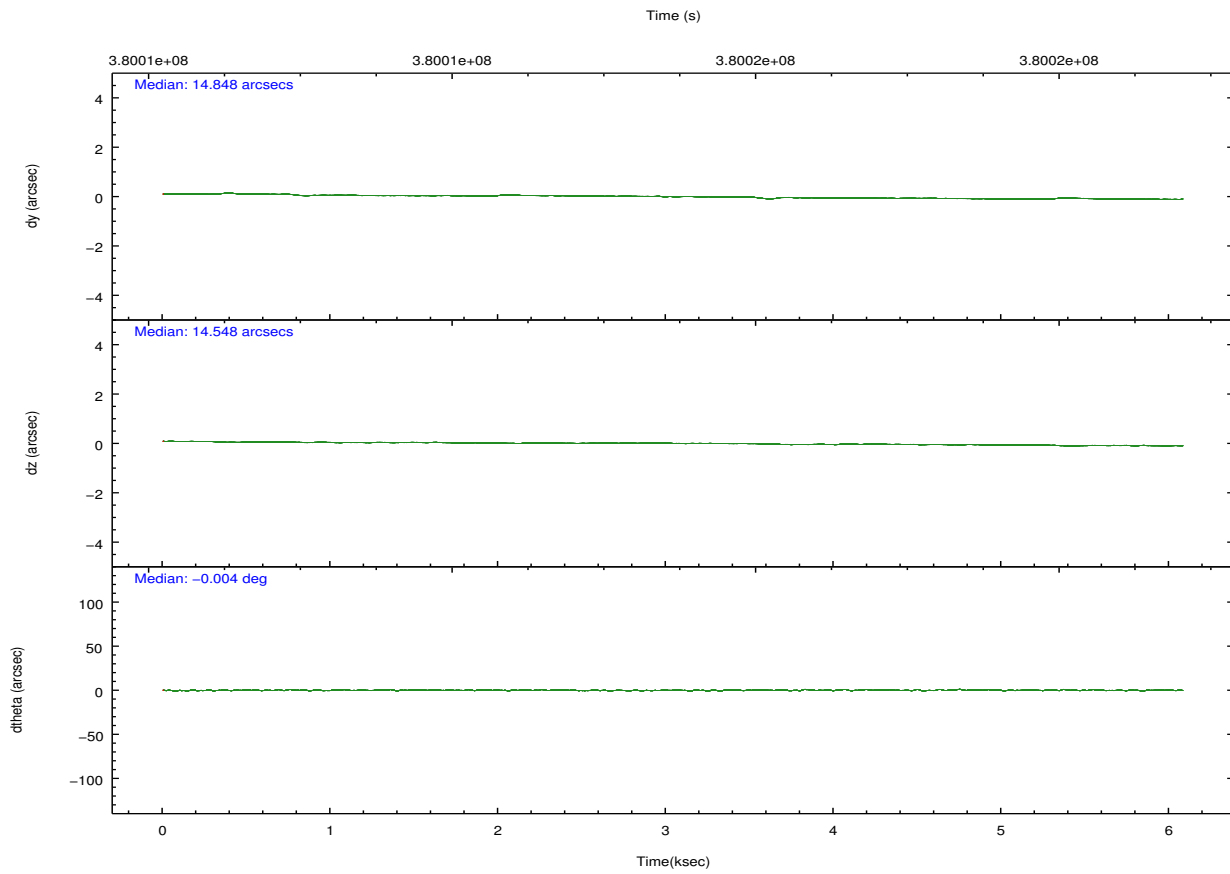
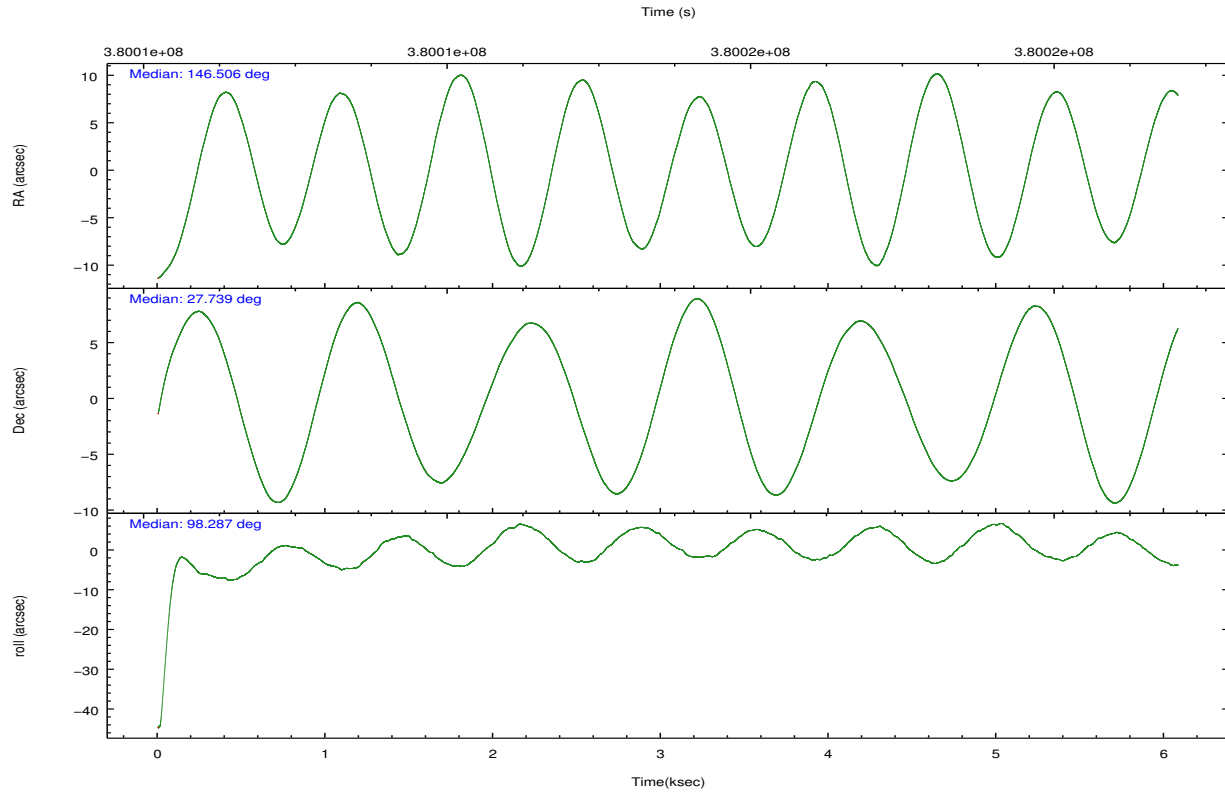
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43146	43739	65108	44041	50168	56310	grade 0 events	1620	1436	3613	1792	2176	4145
rejected events	38781	39612	32559	39155	27298	42240		3%	3%	5%	4%	4%	7%
rejected %	89%	90%	50%	88%	54%	75%	grade 1 events	26	36	346	27	59	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	1036	922	9964	1072	4713	3350
								2%	2%	15%	2%	9%	5%
							grade 3 events	470	473	1247	519	2083	1507
								1%	1%	1%	1%	4%	2%
							grade 4 events	437	432	1215	487	2021	1384
								1%	0%	1%	1%	4%	2%
							grade 5 events	1722	1835	4847	1874	5273	2636
								3%	4%	7%	4%	10%	4%
							grade 6 events	809	867	16548	1023	11900	3723
								1%	1%	25%	2%	23%	6%
							grade 7 events	37026	37738	27328	37247	21943	39515
								85%	86%	41%	84%	43%	70%

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	146.525527	146.5060278617033	CCD I2 on	O2	Y
[deg] Pointing Dec	27.717767	27.73900033060497	CCD I3 on	O1	Y
[deg] Pointing Roll	98.119875	98.28548588248358	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	380013503.184000	380012049.11599	CCD S5 on	N	N
Observation start date	2010-01-16T07:17:17	2010-01-16T06:54:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	380018503.184000	380019164.15385	On-chip summing requested	N	N
Observation end date	2010-01-16T08:40:37	2010-01-16T08:52:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



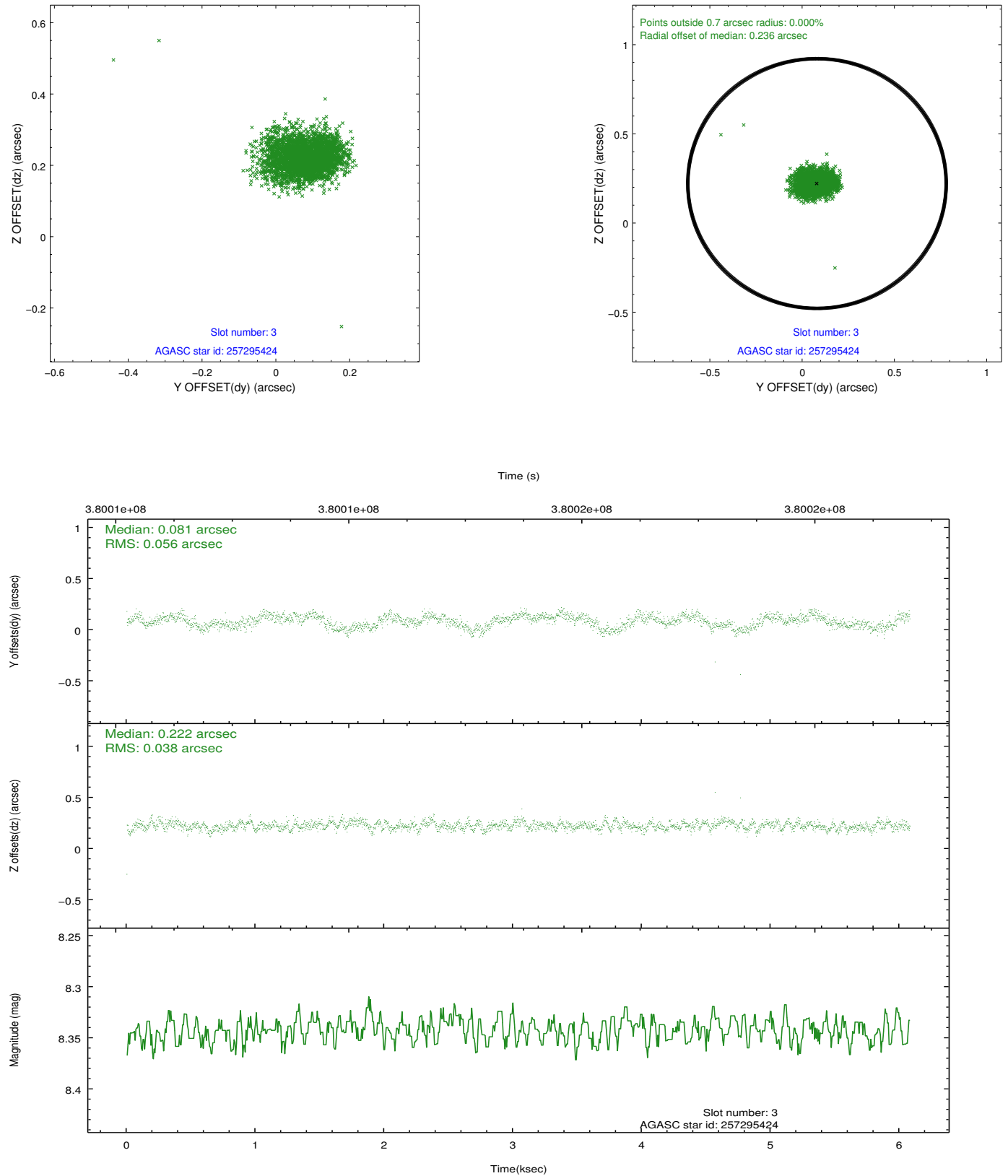


Slot Statistics

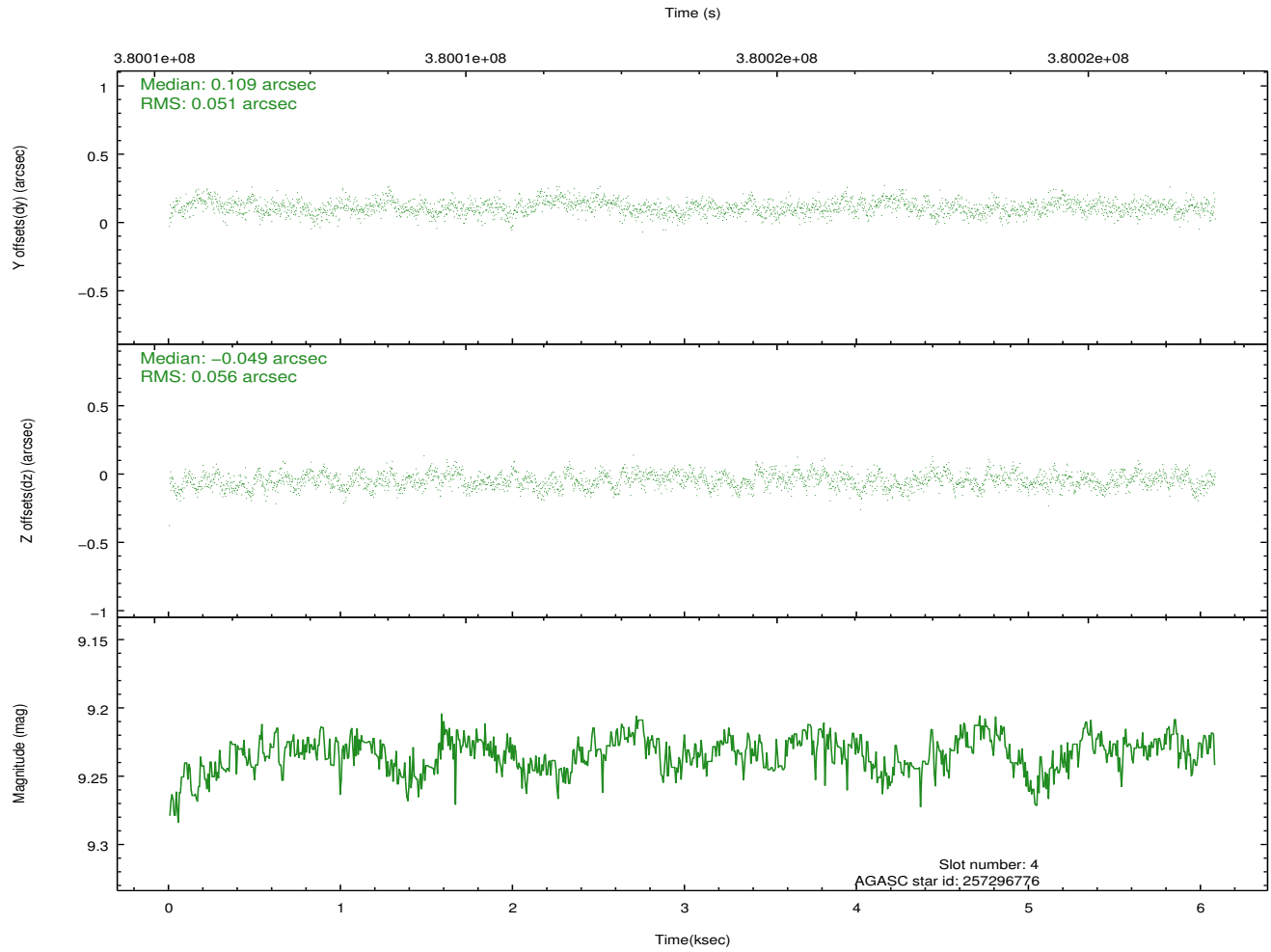
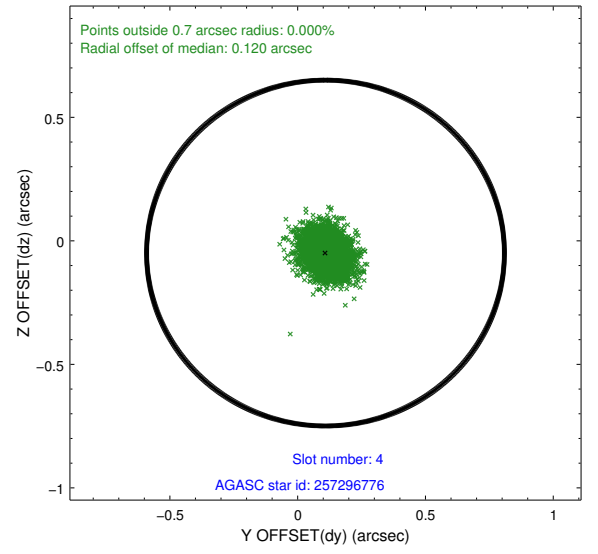
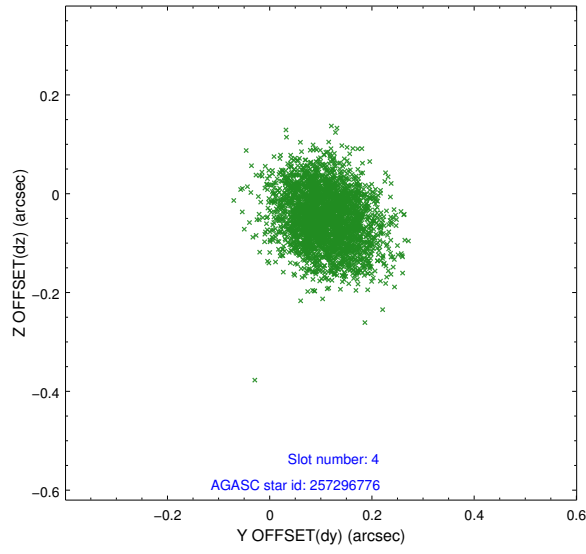
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	1484	-0.095	-0.048	0.007	0.011	0.000000	0.000000	-767.89	-1735.96
1	FID	ACIS-S-4	7.03	1484	0.218	0.059	0.006	0.010	0.000000	0.000000	2145.24	171.64
2	FID	ACIS-S-5	7.06	1484	-0.154	-0.002	0.006	0.011	0.000000	0.000000	-1819.56	166.33
3	GUIDE	257295424	8.34	2967	0.081	0.222	0.070	0.114	146.725532	27.158824	-2082.01	-349.89
4	GUIDE	257296776	9.23	2965	0.109	-0.049	0.082	0.130	146.241394	27.311087	-1320.62	1106.21
5	GUIDE	257694472	9.01	2965	0.072	0.089	0.096	0.152	146.557134	27.765804	156.51	-123.19
6	GUIDE	257696144	9.26	2965	-0.125	-0.174	0.108	0.164	145.967813	27.712897	237.46	1761.38
7	GUIDE	257298080	7.58	2965	-0.142	-0.093	0.062	0.101	146.476283	27.046002	-2371.91	498.40

2.4 Star Slots

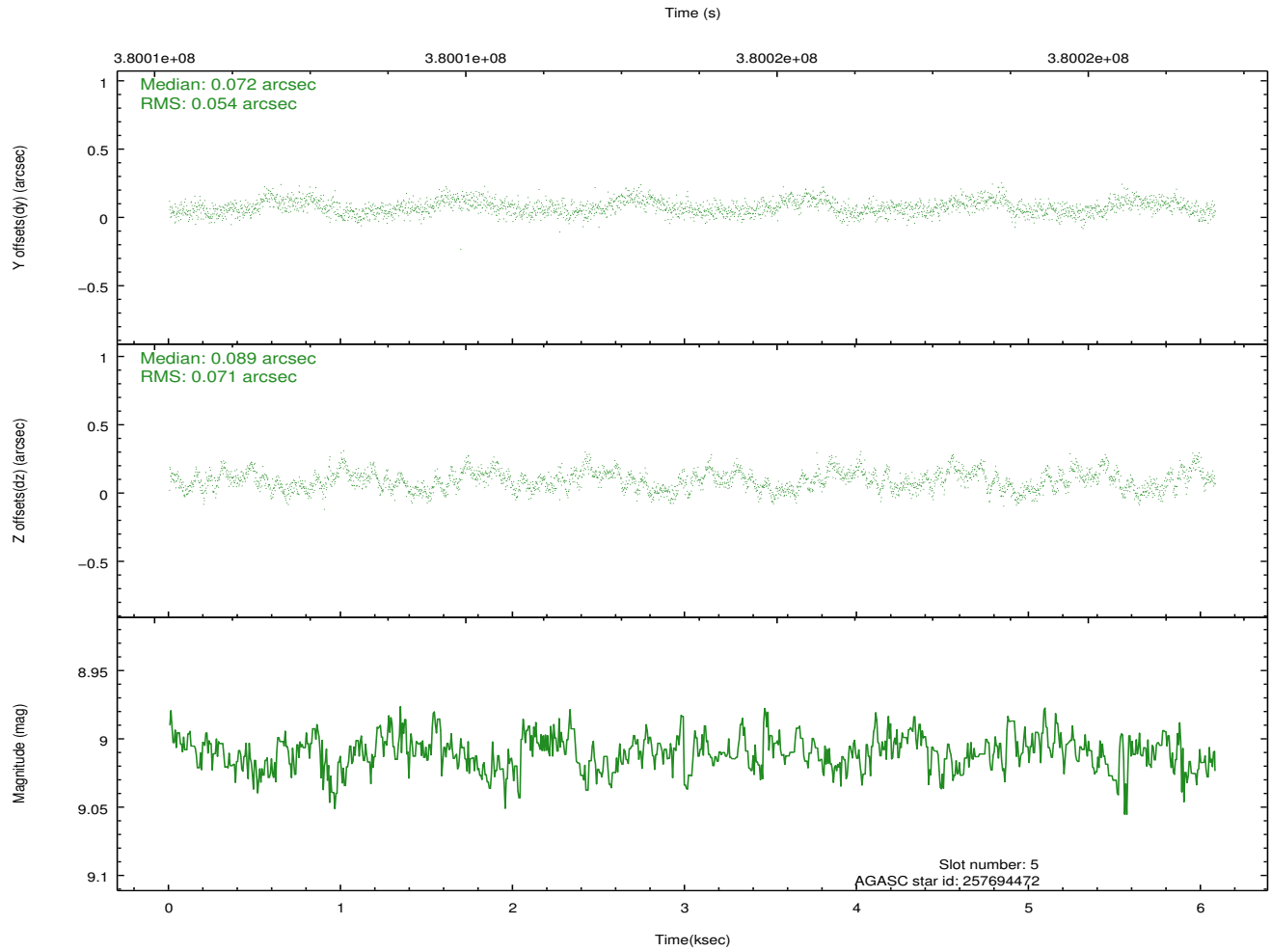
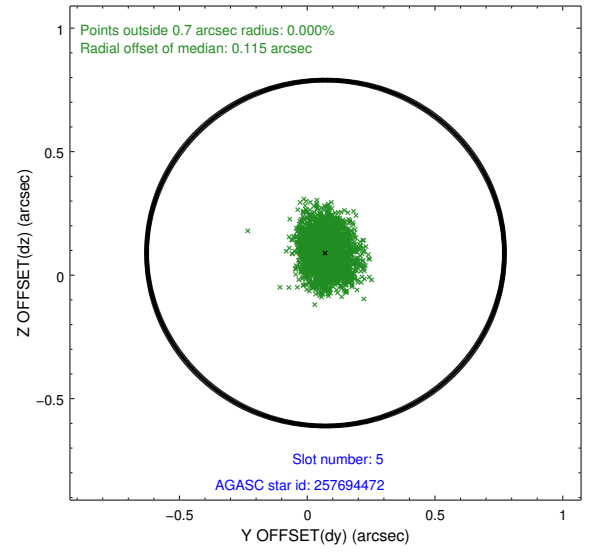
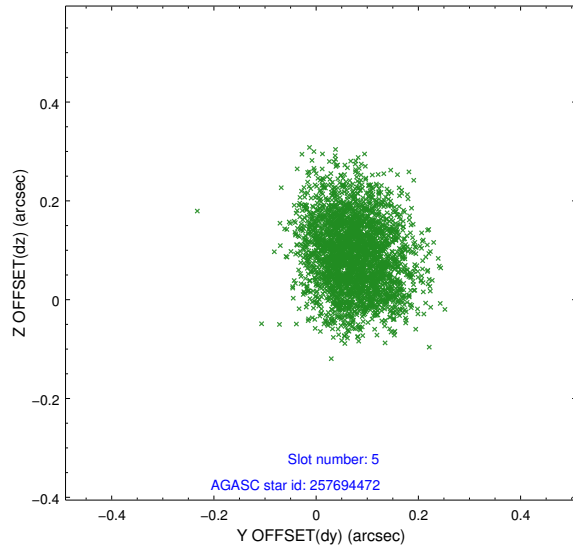
2.4.1 Slot 3



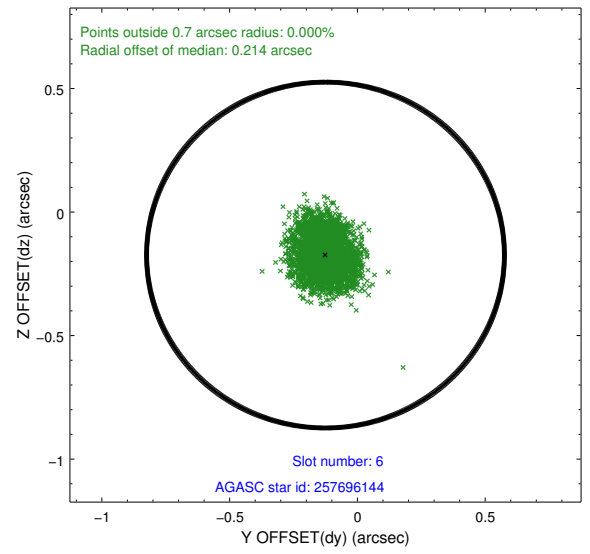
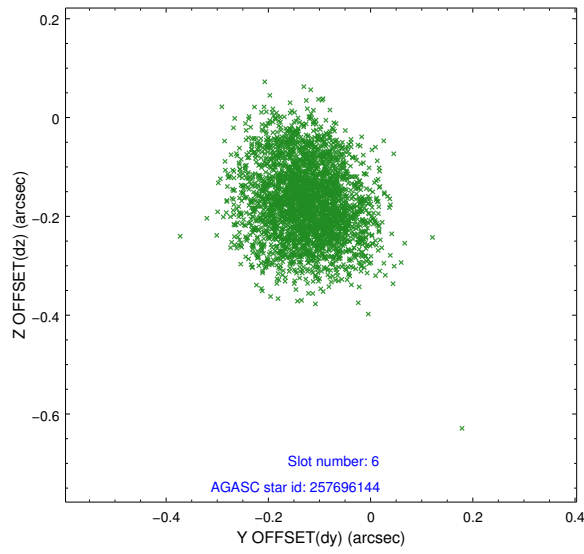
2.4.2 Slot 4



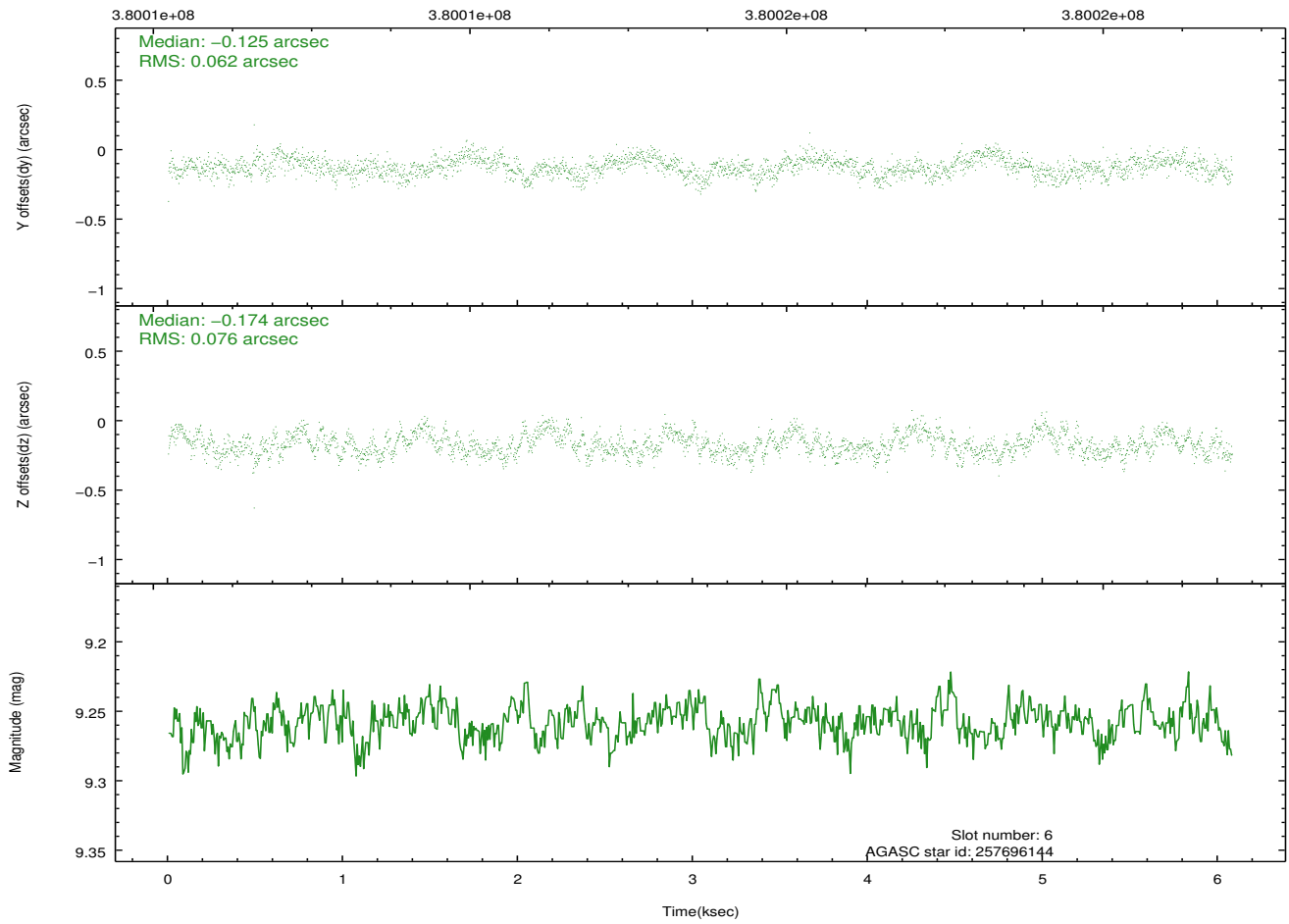
2.4.3 Slot 5



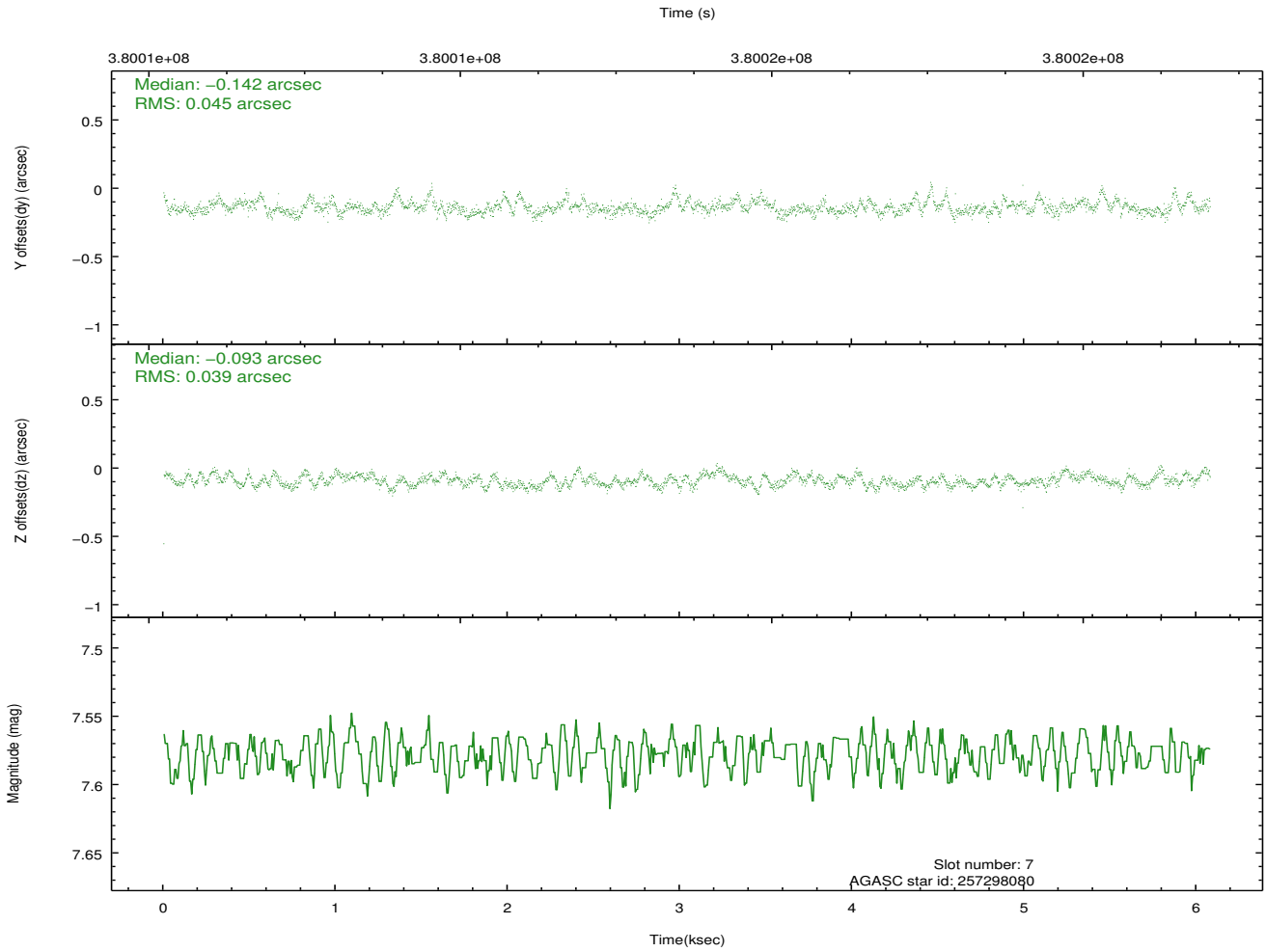
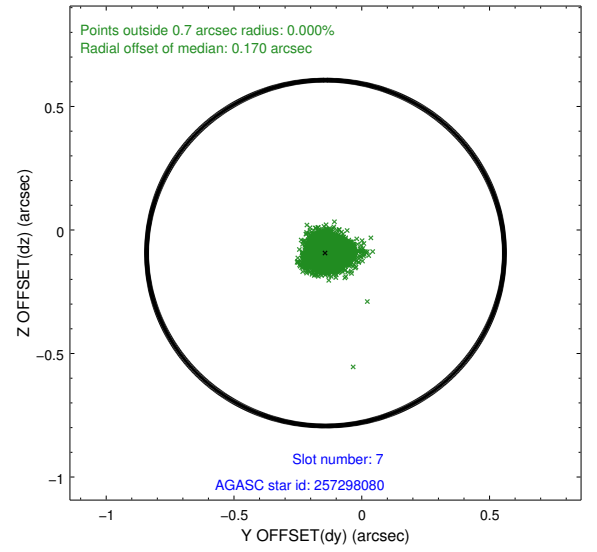
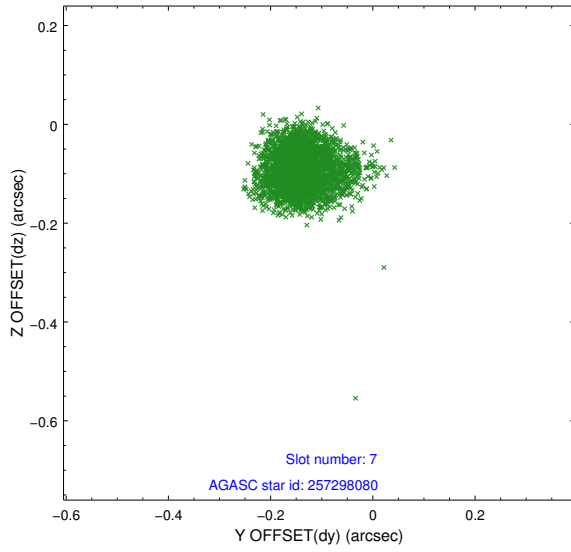
2.4.4 Slot 6



Time (s)

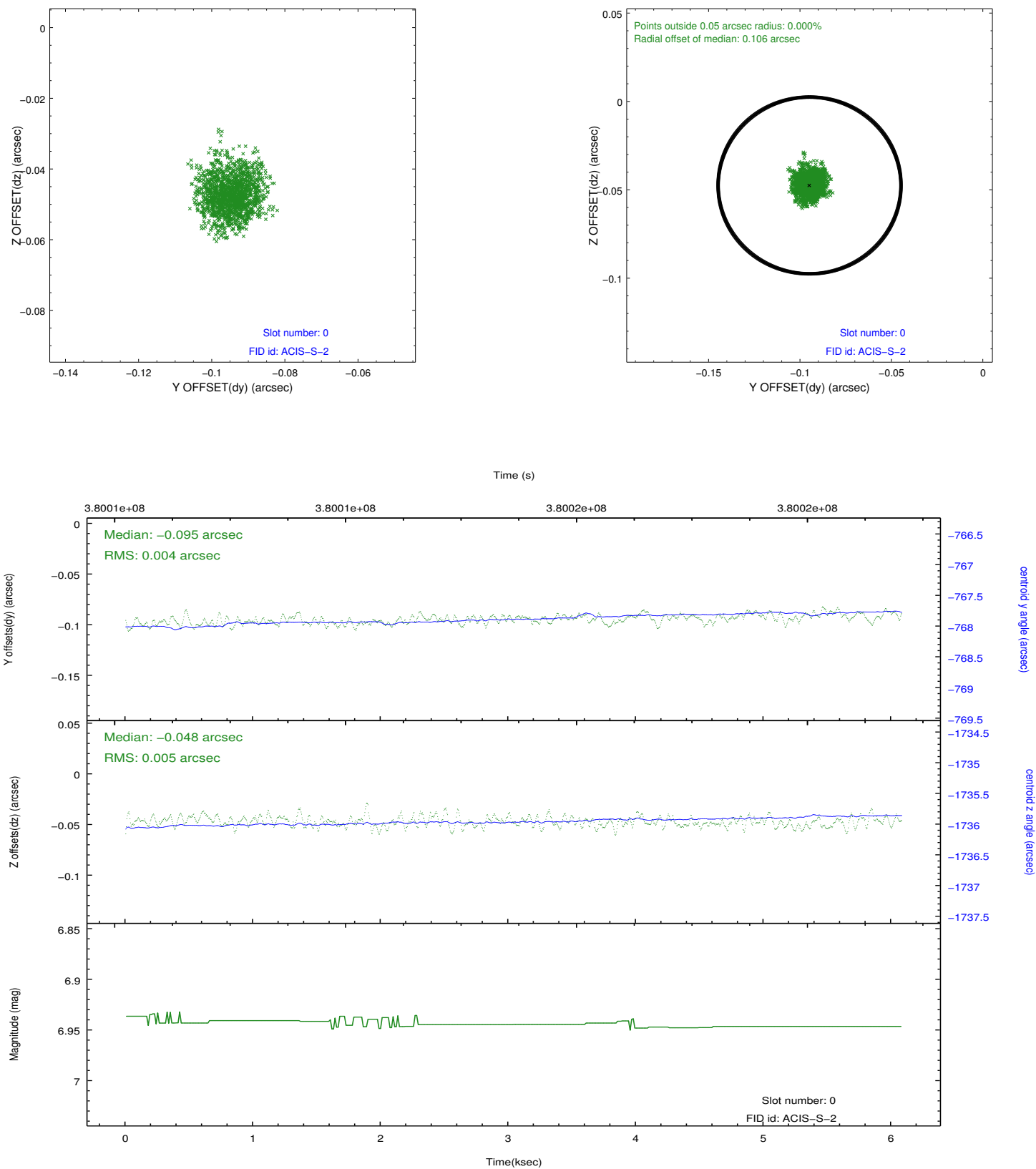


2.4.5 Slot 7

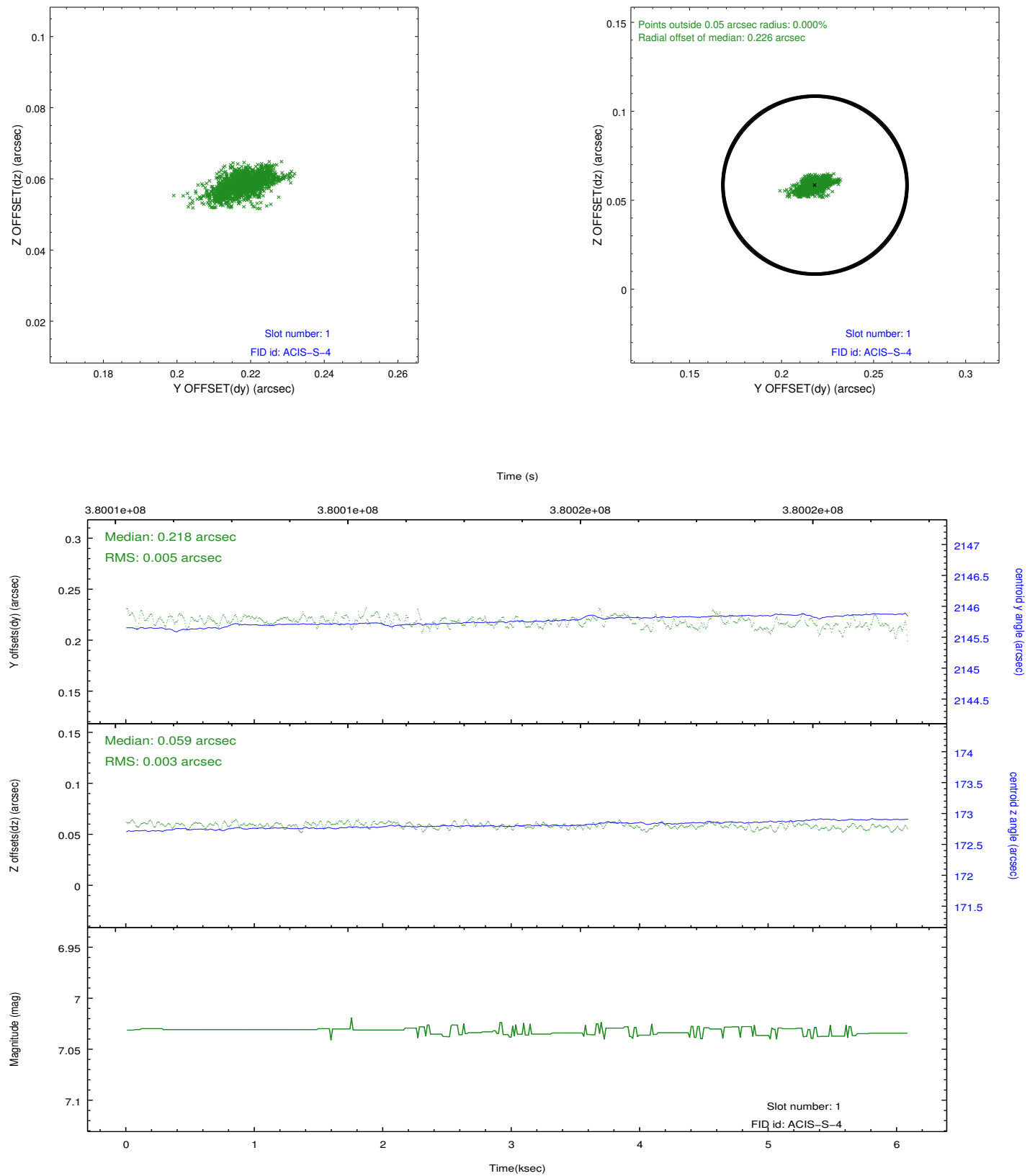


2.5 FID Slots

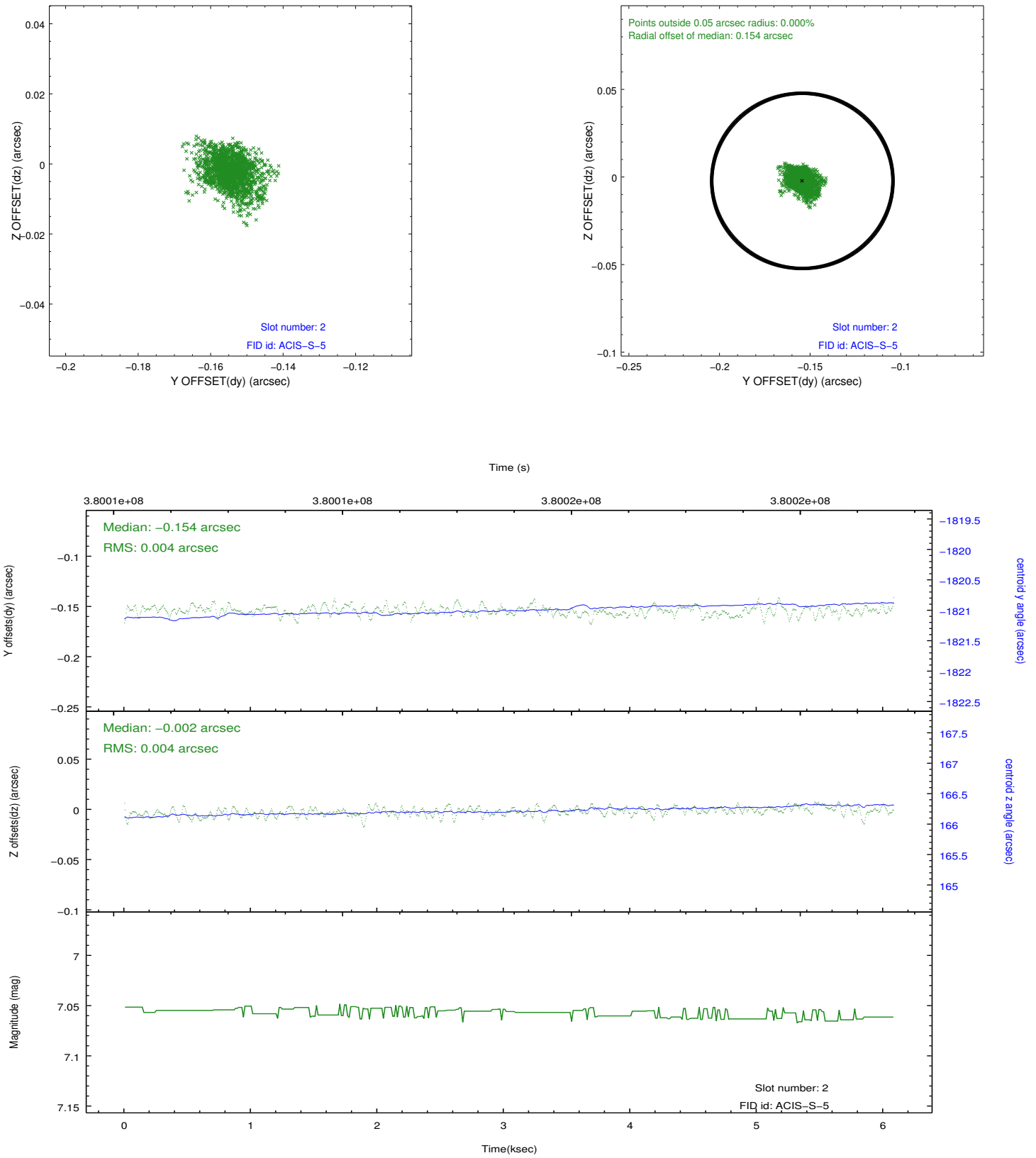
2.5.1 Slot 0



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)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0399999812841

A.2 Comments