

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17083 - L2 Version 1
Chandra X-Ray Center

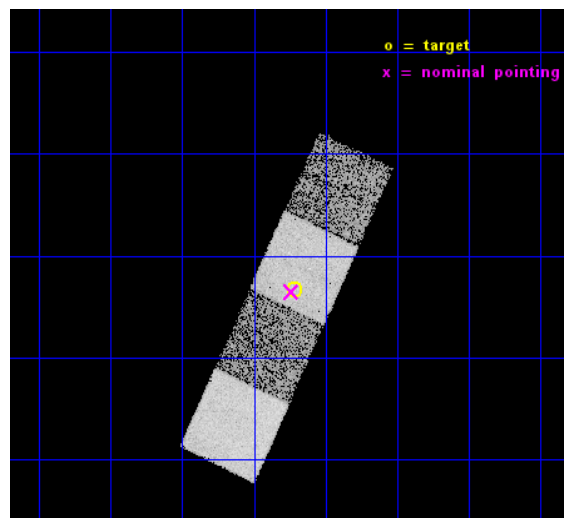
L2 Processing Date : Mar 1 2015

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

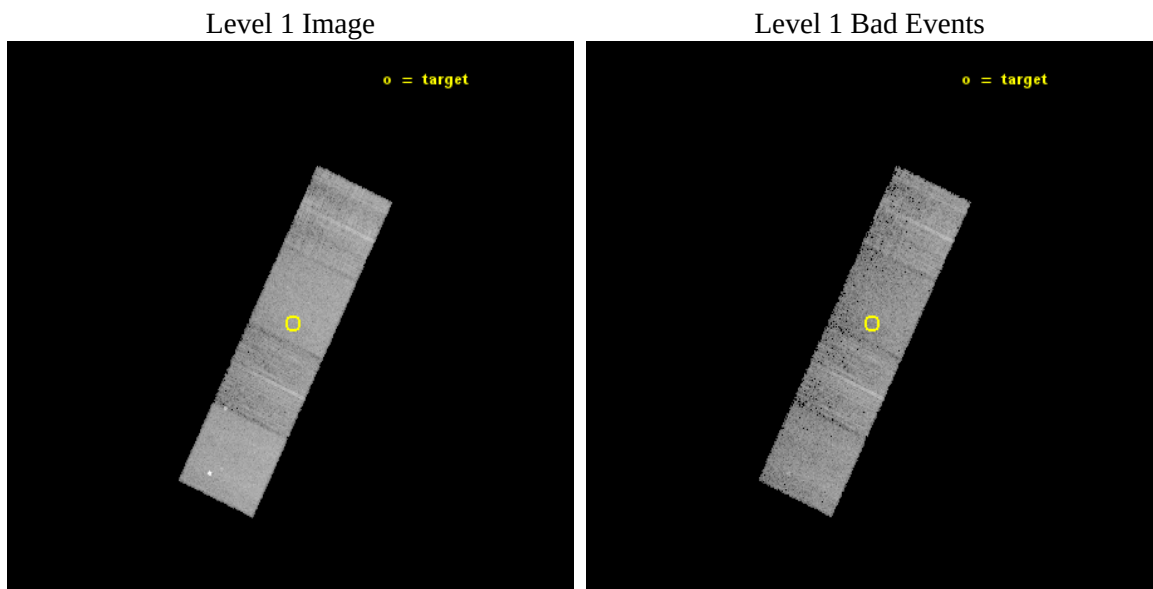
seq_num	703087	Sequence number
obs_id	17083	Observation id
title	X-ray observations of the nuclear activity in strongly lensed star forming galaxies at redshift >1.5	Proposal title
observer	Dr Marcella Massardi	Principal investigator
object	HATLASJ091043.0-000322	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	137.679583	Observer's specified target RA [deg]
dec_targ	-0.056361	Observer's specified target Dec [deg]
ra_nom	137.68450217804	Nominal RA [deg]
dec_nom	-0.058718349388359	Nominal Dec [deg]
roll_nom	295.15665023791	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10238.282710195	Sum of GTIs [s]
livetime	10104.512009272	Livetime [s]
ontime5	10238.241670251	Sum of GTIs [s]
ontime6	10238.200630188	Sum of GTIs [s]
ontime7	10238.282710195	Sum of GTIs [s]
ontime8	10238.159590244	Sum of GTIs [s]
l2events	75261	Number of level 2 events



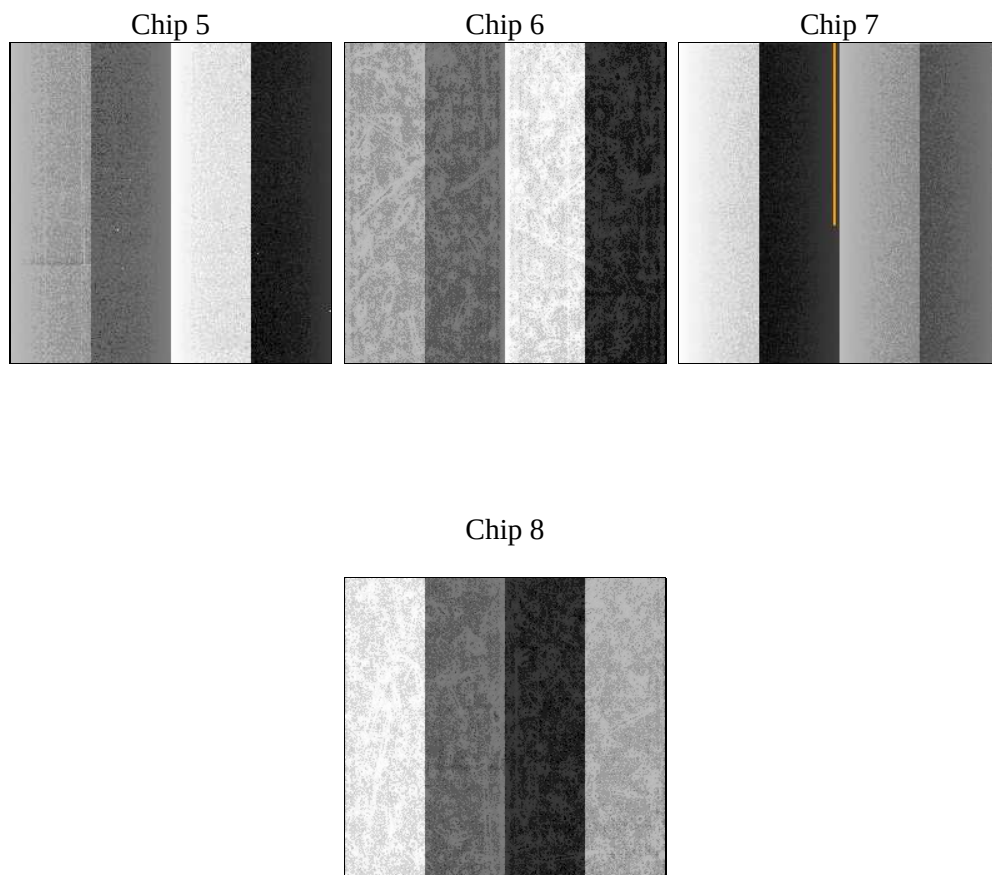
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	10238.282710195	Sum of GTIs [s]
caldsver	4.6.7	 	ontime5	10238.241670251	Sum of GTIs [s]
date	2015-03-01T11:58:13	Date and time of file creation	ontime6	10238.200630188	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	10238.282710195	Sum of GTIs [s]
			ontime8	10238.159590244	Sum of GTIs [s]
			l1events	268397	Number of level 1 events

2.1.4 Events

	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	82452	51349	68121	66475
rejected events	42542	45307	38902	49388
rejected %	51%	88%	57%	74%

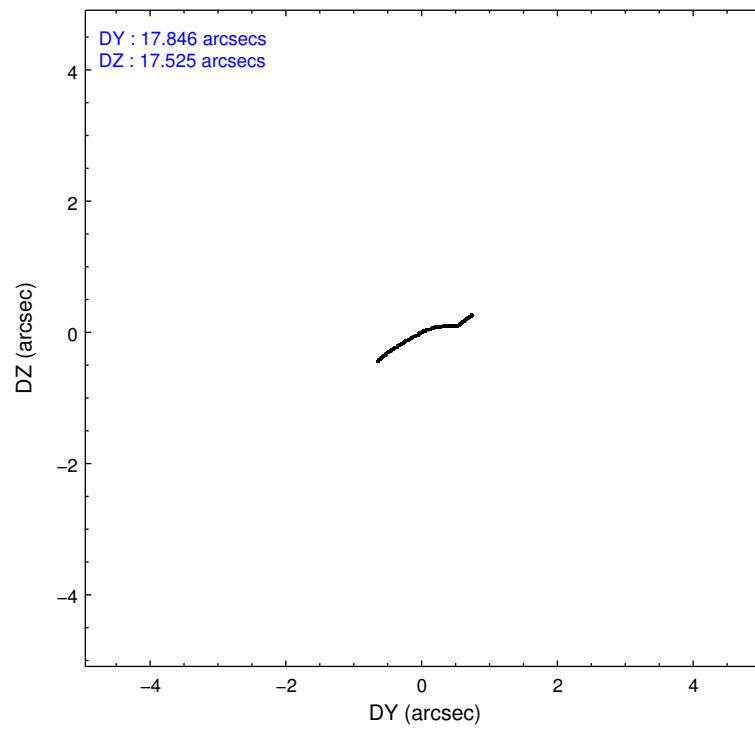
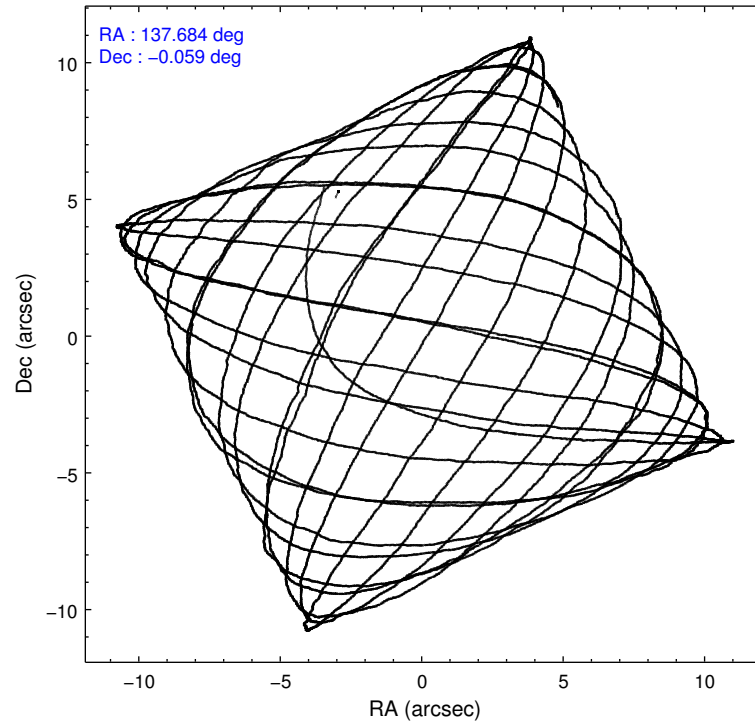
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4211	2022	2508	4770
	5%	3%	3%	7%
grade 1 events	313	22	74	47
	0%	0%	0%	0%
grade 2 events	12109	1368	6067	4033
	14%	2%	8%	6%
grade 3 events	1154	588	2245	1771
	1%	1%	3%	2%
grade 4 events	1114	602	2269	1752
	1%	1%	3%	2%
grade 5 events	5505	2520	6646	3736
	6%	4%	9%	5%
grade 6 events	21356	1465	16139	4765
	25%	2%	23%	7%
grade 7 events	36690	42762	32173	45601
	44%	83%	47%	68%

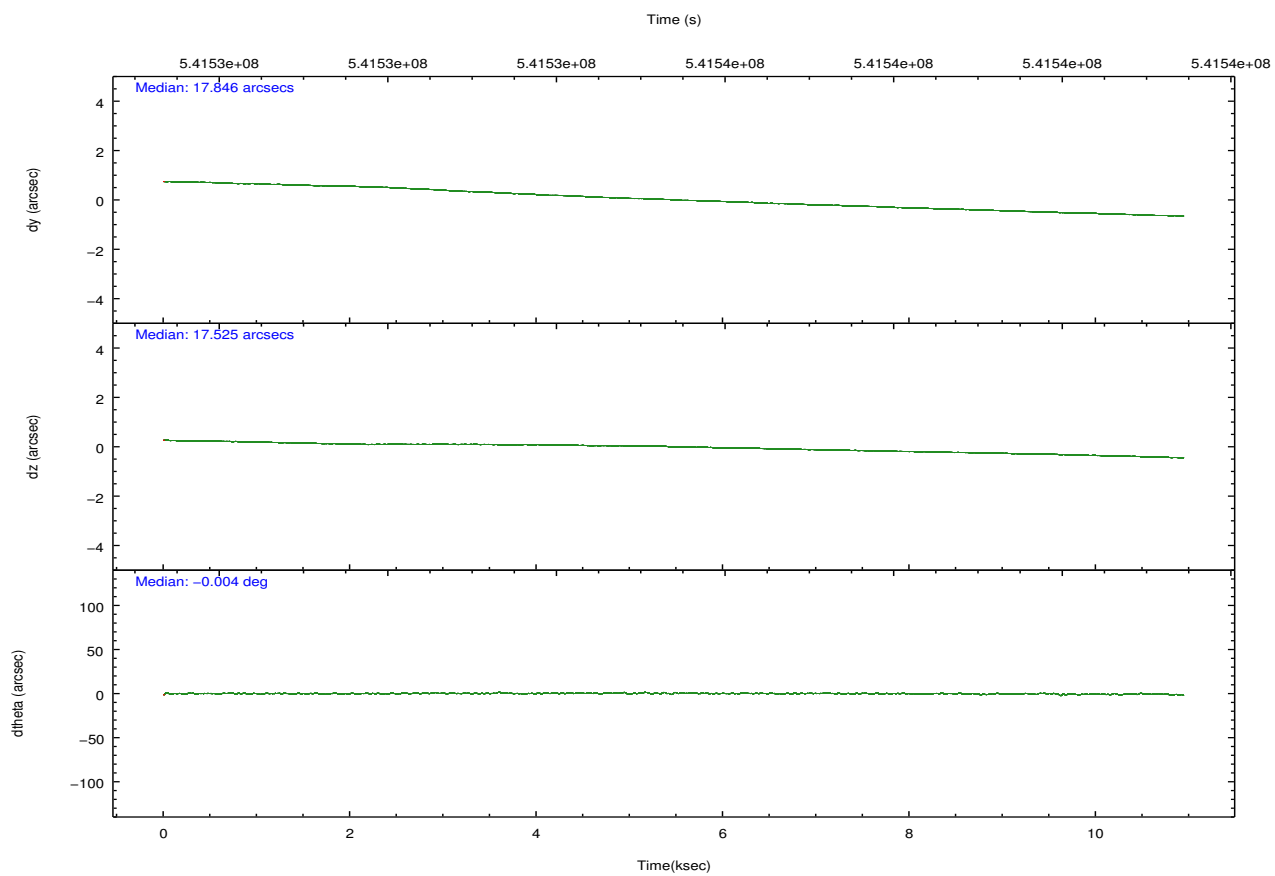
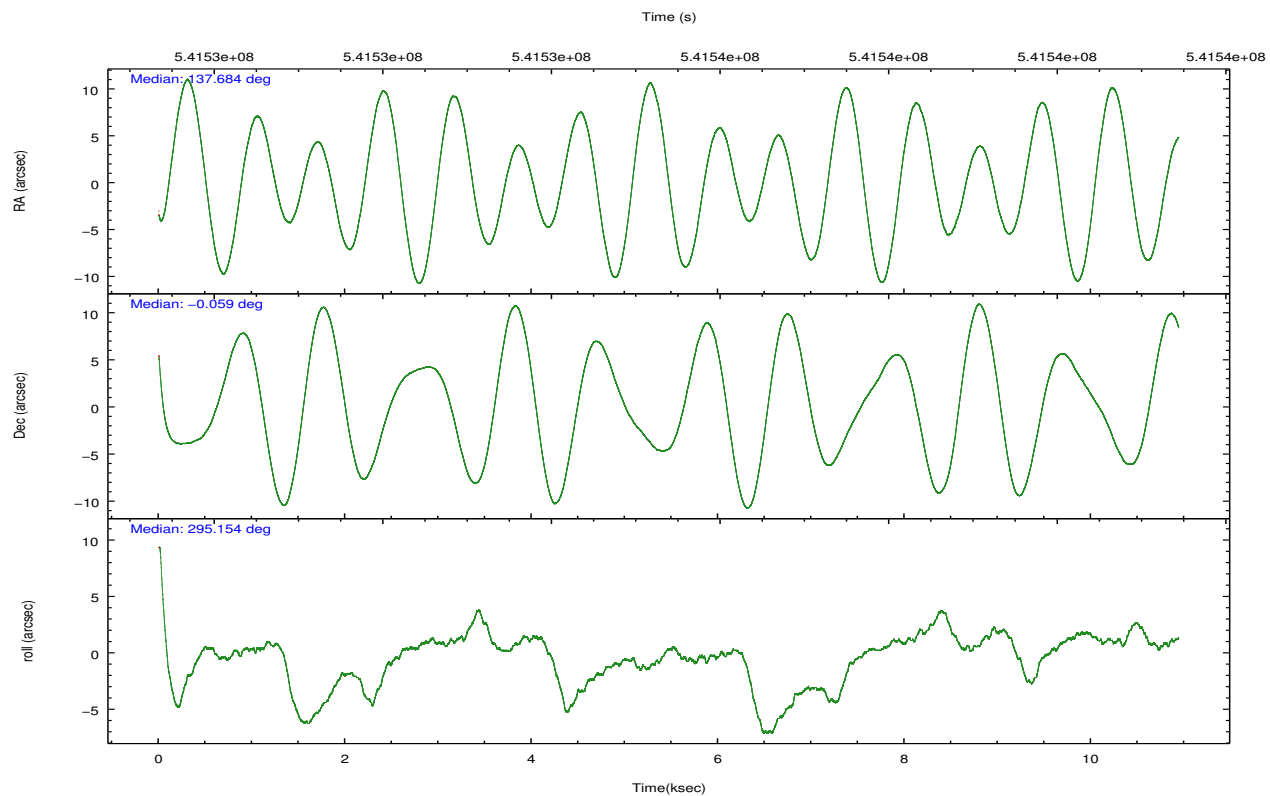
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-5678	ACIS-5678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	137.661742	137.684502178044
[deg] Pointing Dec	-0.043342	-0.05871834938835859
[deg] Pointing Roll	294.999985	295.156650237911
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	541530685.184000	541529151.98524
Observation start date	2015-02-28T17:10:18	2015-02-28T16:45:51
[s] Observation end time (MET)	541550685.184000	541541907.5984499
Observation end date	2015-02-28T22:43:38	2015-02-28T20:18:27
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	3.1

2.3 Aspect



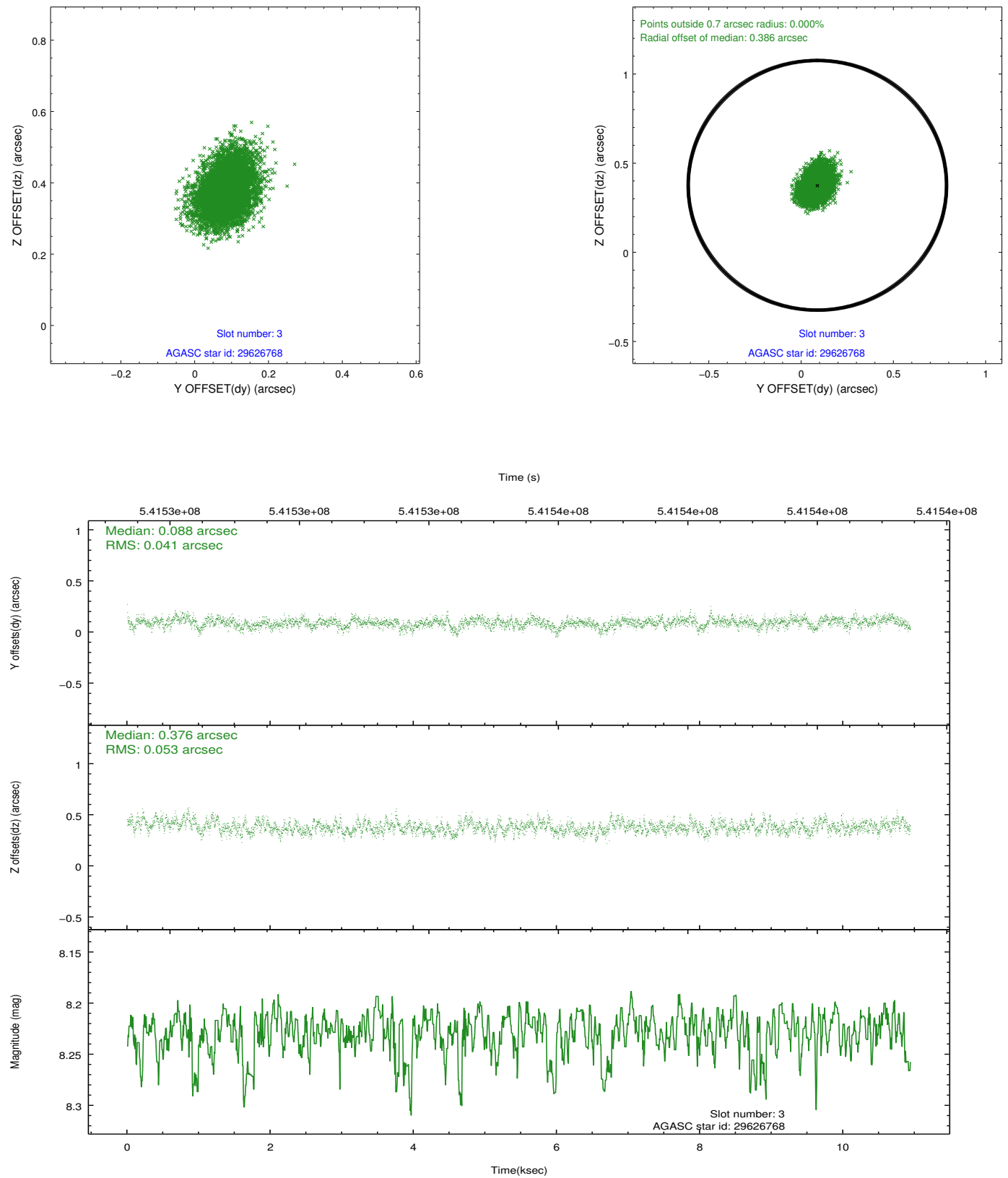


Slot Statistics

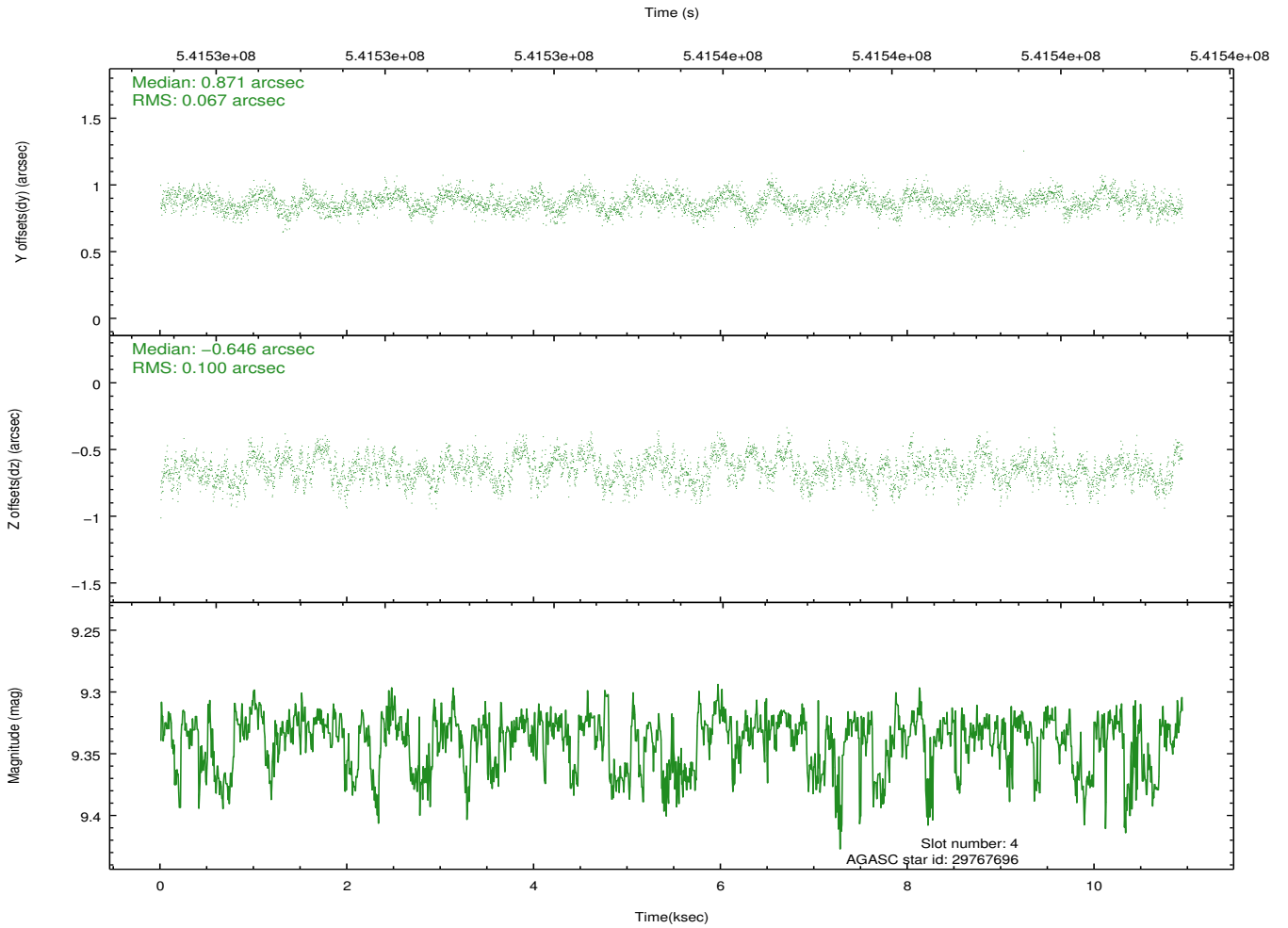
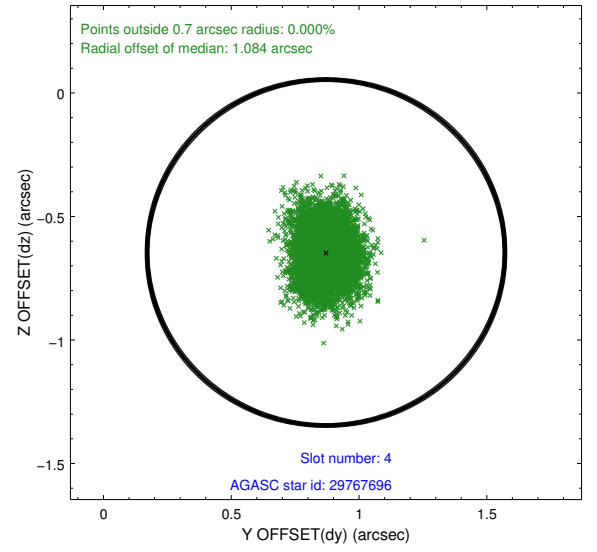
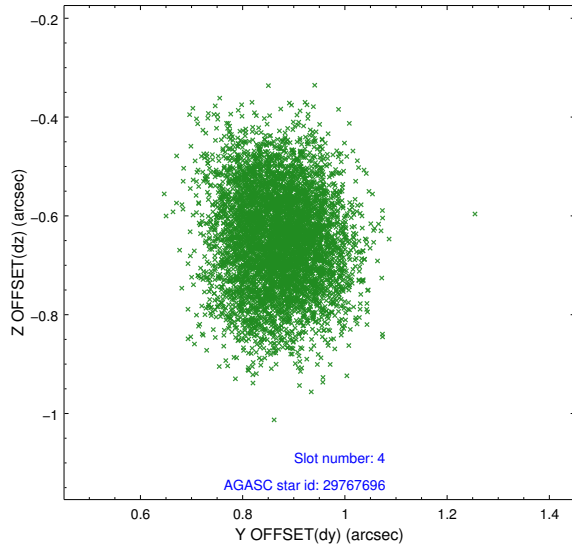
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.06	2669	-0.104	-0.078	0.012	0.019	0.000000	0.000000	-771.04	-1739.00
1	FID		ACIS-S-4	7.14	2669	0.340	0.071	0.017	0.025	0.000000	0.000000	2142.47	169.14
2	FID		ACIS-S-5	7.16	2669	-0.269	0.015	0.014	0.025	0.000000	0.000000	-1823.44	163.30
3	GUIDE	used	29626768	8.23	5337	0.088	0.376	0.070	0.118	136.888189	0.063238	-1524.96	-2362.64
4	GUIDE	used	29767696	9.34	5330	0.871	-0.646	0.129	0.207	138.209489	0.322162	-358.27	2342.07
5	GUIDE	used	29771592	8.47	5334	-0.520	-0.197	0.115	0.168	138.099870	0.425130	-862.18	2142.39
6	GUIDE	used	639504336	8.97	5335	-0.437	0.220	0.092	0.153	138.065907	-0.435662	1894.61	722.44
7	GUIDE	used	639508480	8.56	5332	-0.002	0.250	0.107	0.177	137.375691	-0.398425	726.78	-1474.19

2.4 Star Slots

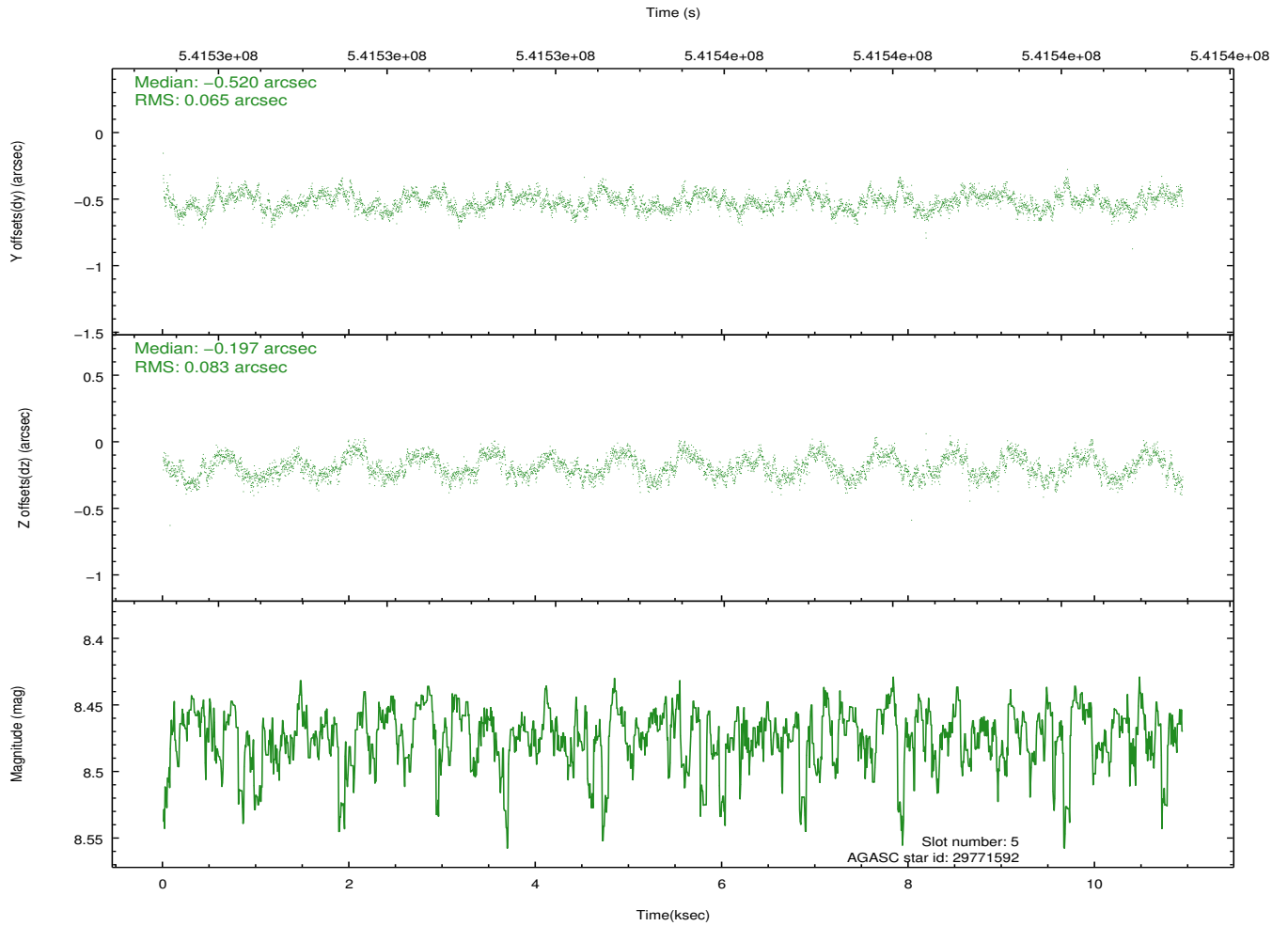
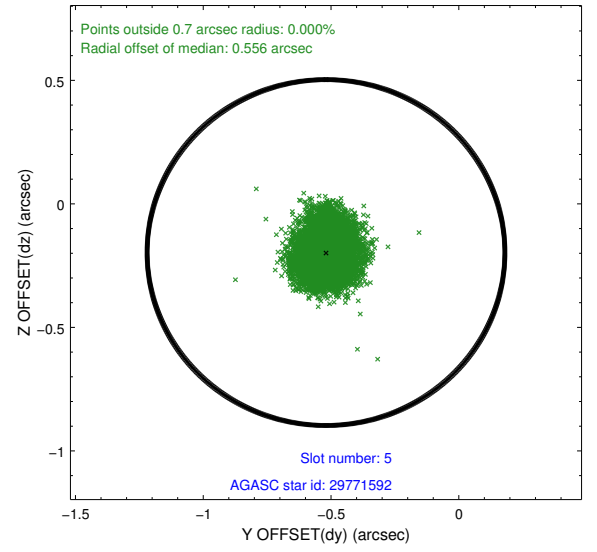
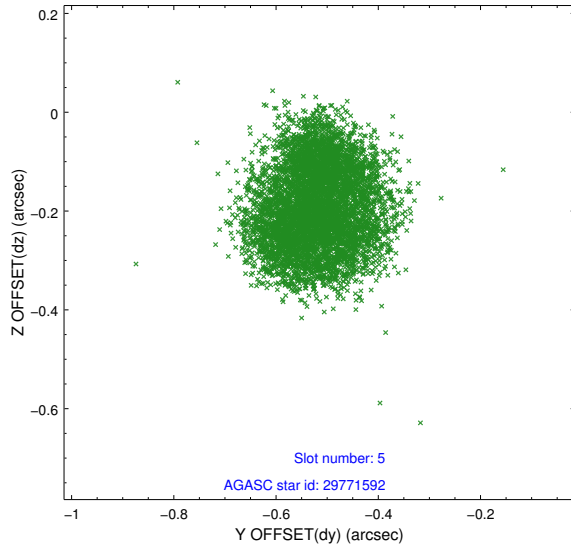
2.4.1 Slot 3



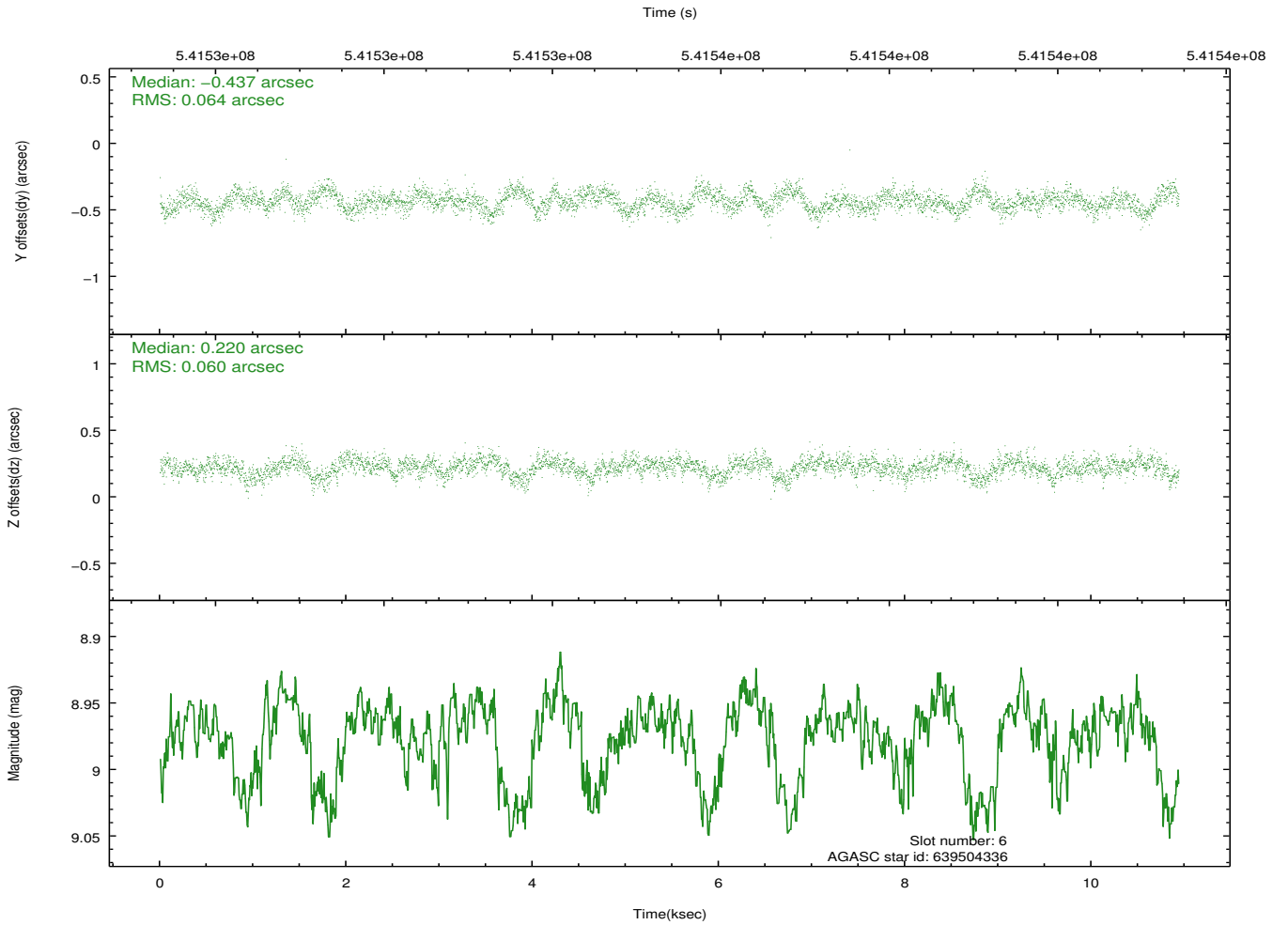
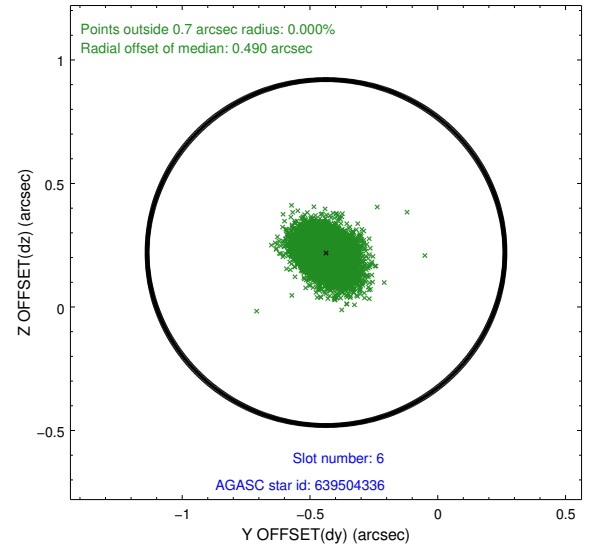
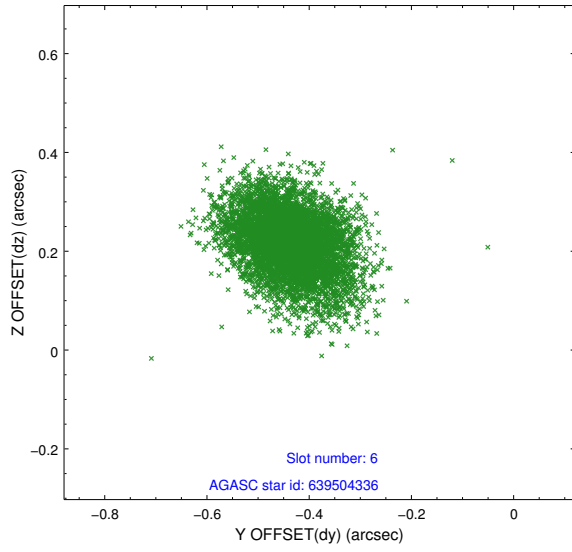
2.4.2 Slot 4



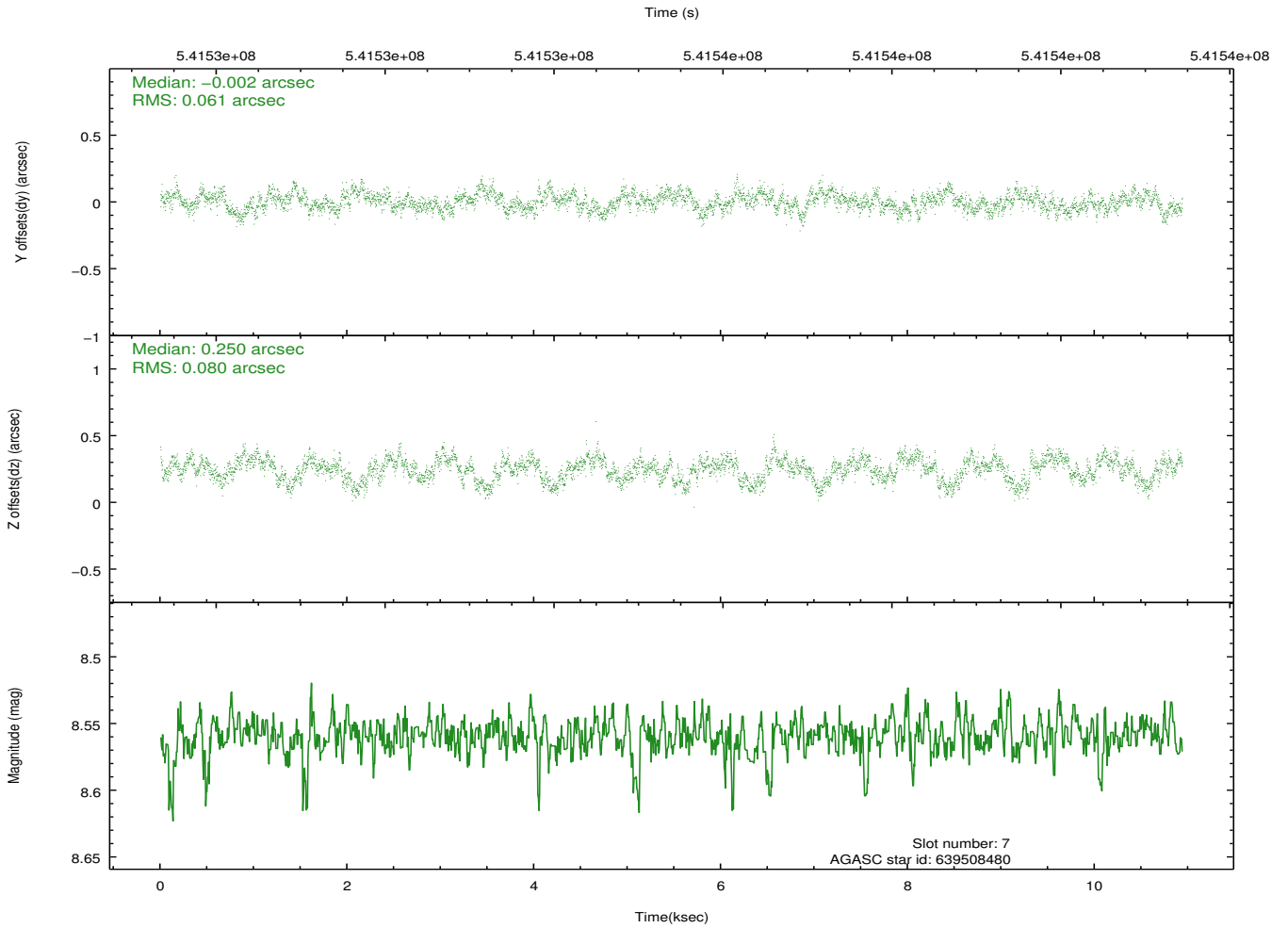
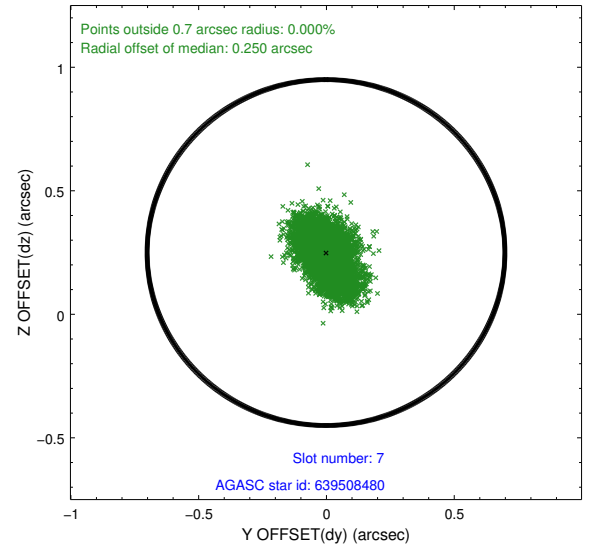
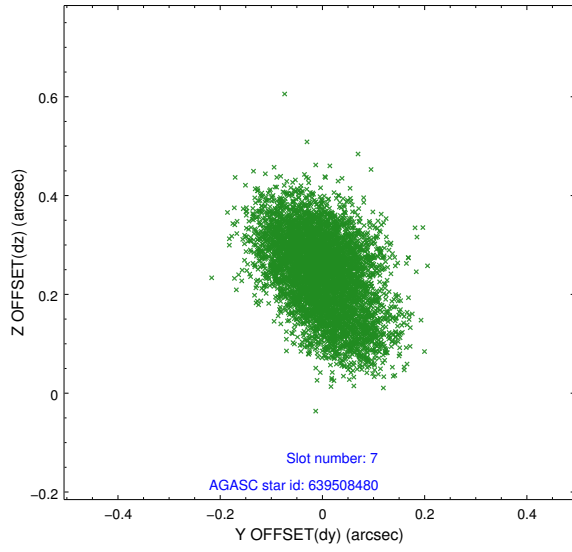
2.4.3 Slot 5



2.4.4 Slot 6

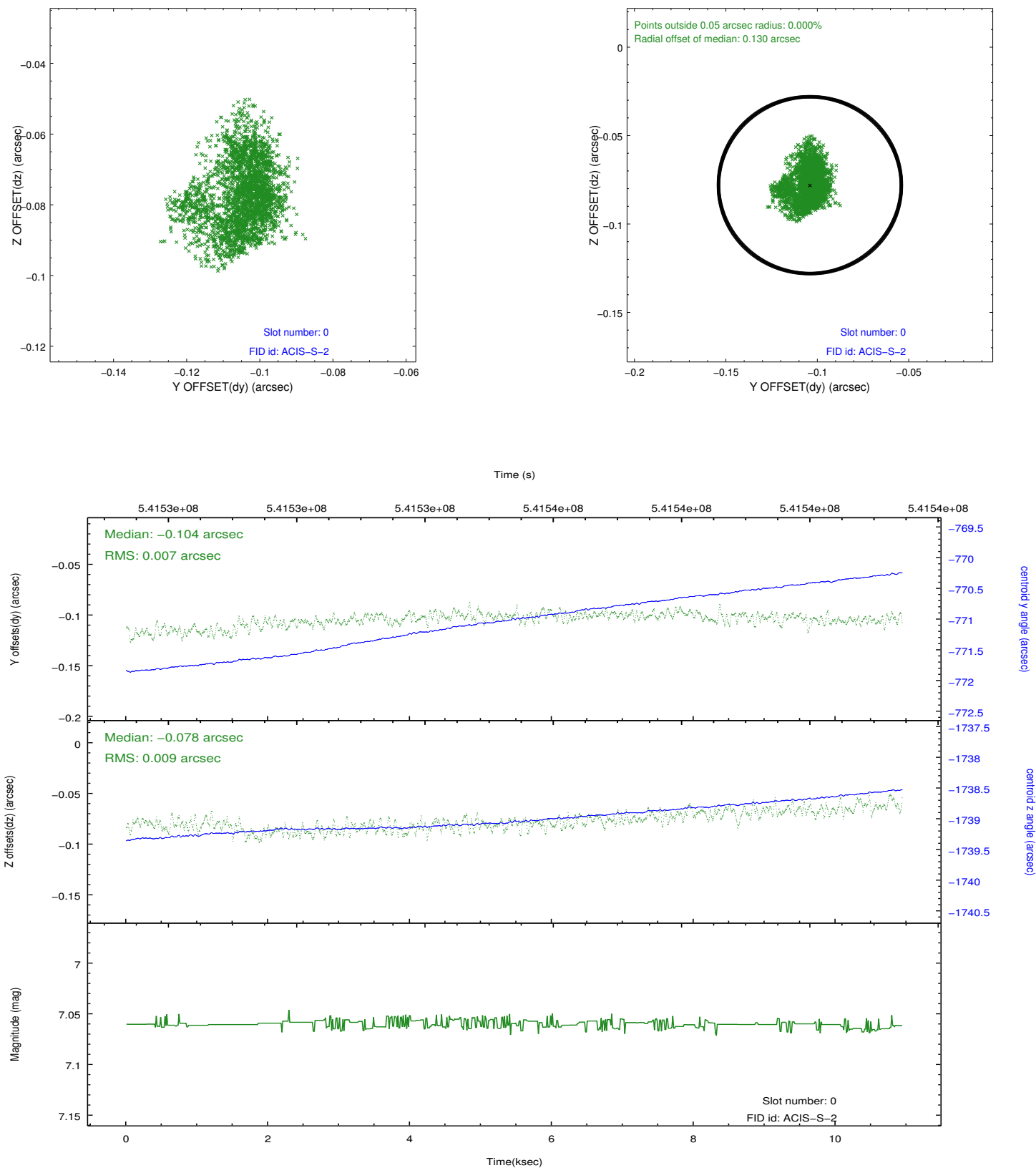


2.4.5 Slot 7

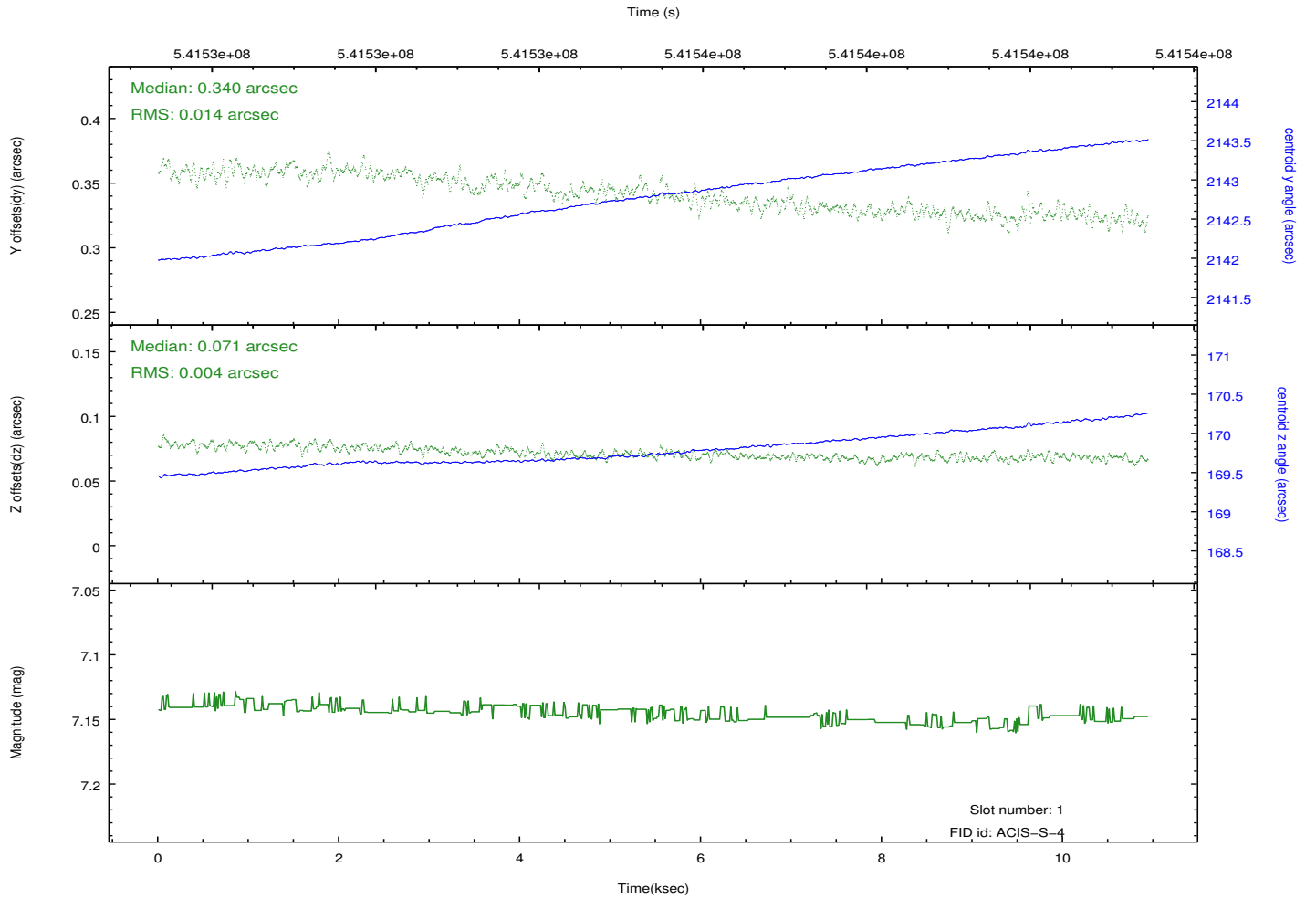
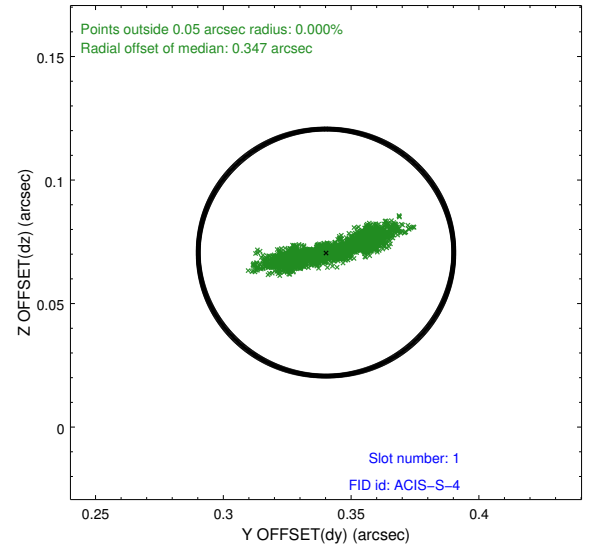
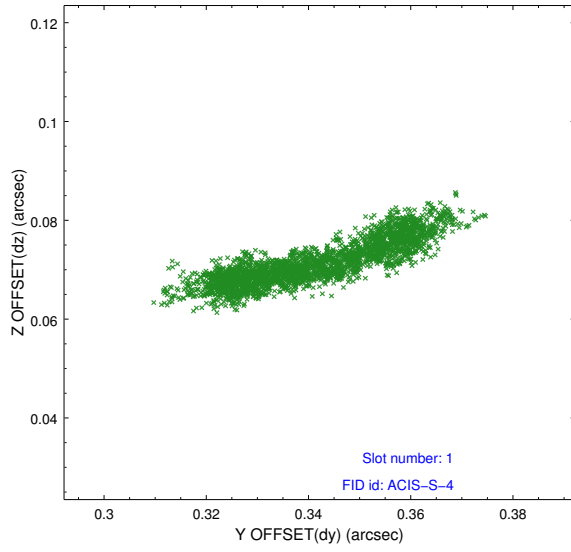


2.5 FID Slots

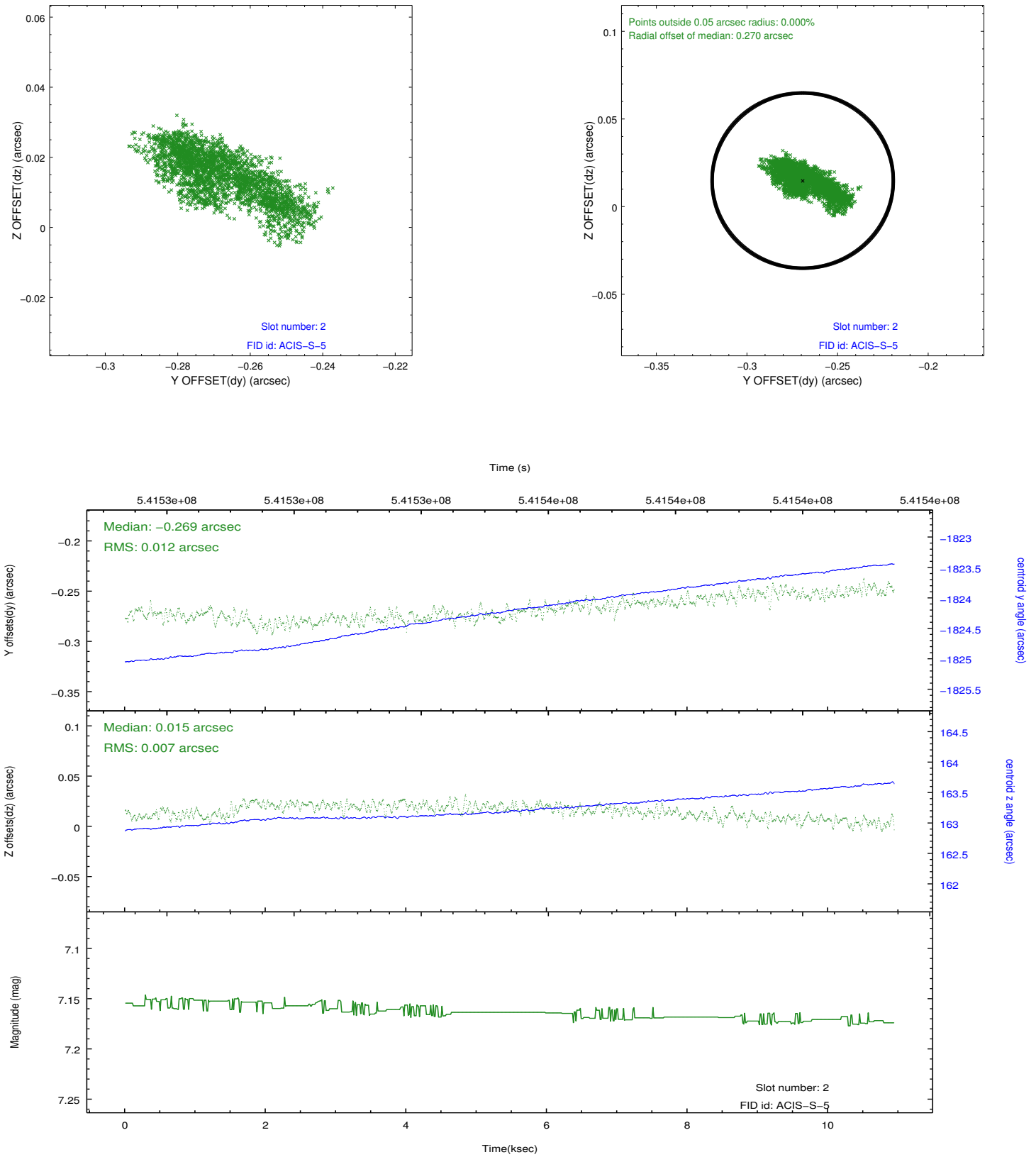
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.238282710195

A.2 Comments

Observation interrupted for a replan of the load.