

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 20476 - L2 Version 1
Chandra X-Ray Center

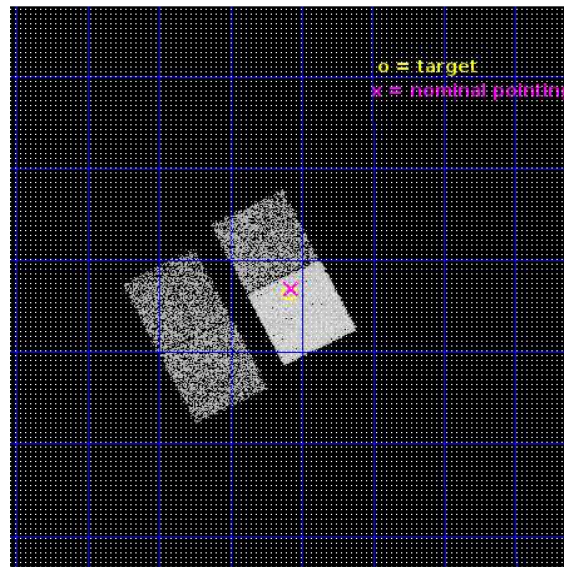
L2 Processing Date : Dec 31 2017

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1 Front

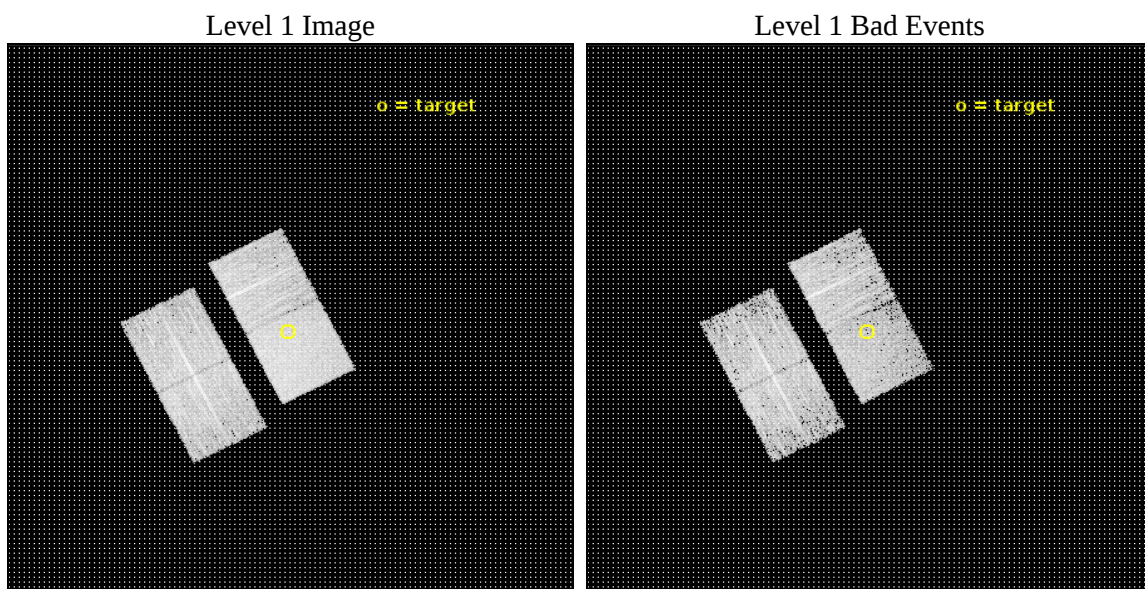
seq_num	703579	Sequence number
obs_id	20476	Observation id
title	Young Radio Sources at High Redshift	Proposal title
observer	Aneta Siemiginowska	Principal investigator
object	SDSS J094004.80+052630.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	145.02	Observer's specified target RA [deg]
dec_targ	5.441917	Observer's specified target Dec [deg]
ra_nom	145.01782625192	Nominal RA [deg]
dec_nom	5.4485523334546	Nominal Dec [deg]
roll_nom	63.156852492275	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6069.8000468016	Sum of GTIs [s]
livetime	5990.4936406683	Livetime [s]
ontime2	6066.658996582	Sum of GTIs [s]
ontime3	6063.5179657936	Sum of GTIs [s]
ontime6	6069.8000468016	Sum of GTIs [s]
ontime7	6069.8000468016	Sum of GTIs [s]
l2events	35454	Number of level 2 events



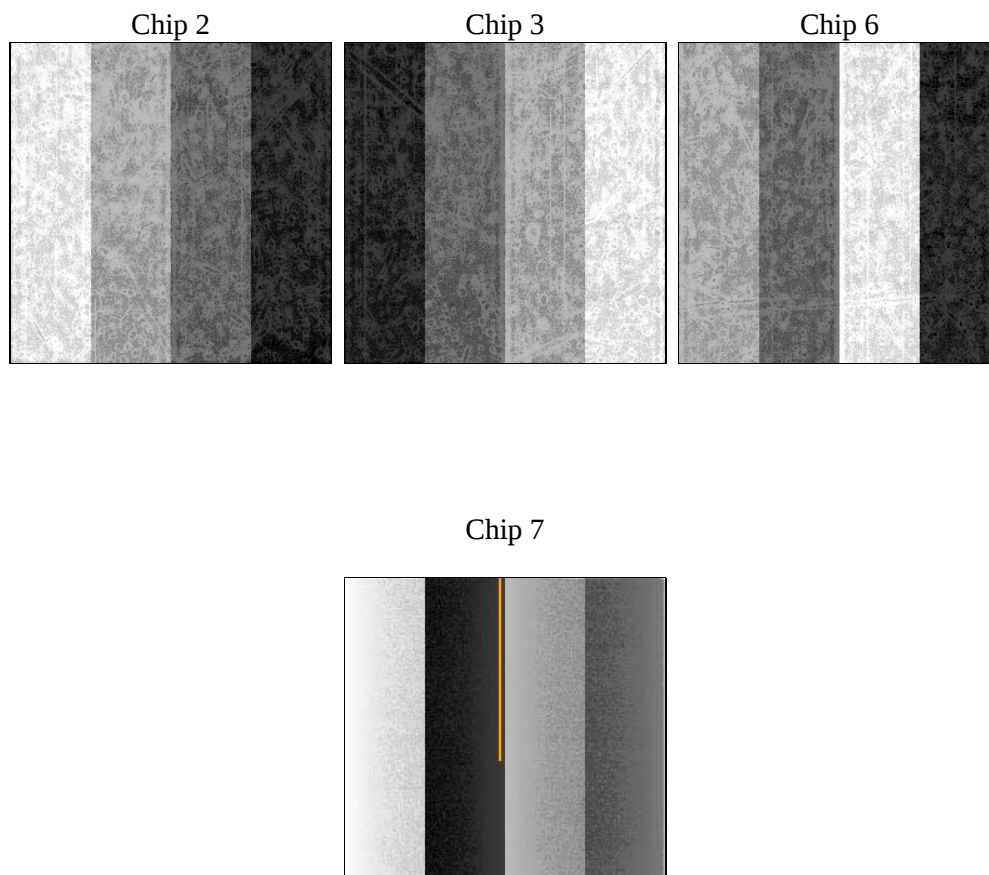
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	6069.8000468016	Sum of GTIs [s]
caldbver	4.7.7	 	ontime2	6066.658996582	Sum of GTIs [s]
date	2017-12-31T16:16:20	Date and time of file creation	ontime3	6063.5179657936	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6069.8000468016	Sum of GTIs [s]
			ontime7	6069.8000468016	Sum of GTIs [s]
			l1events	184526	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	42583	42480	43742	55721
rejected events	38159	38038	38914	31487
rejected %	89%	89%	88%	56%

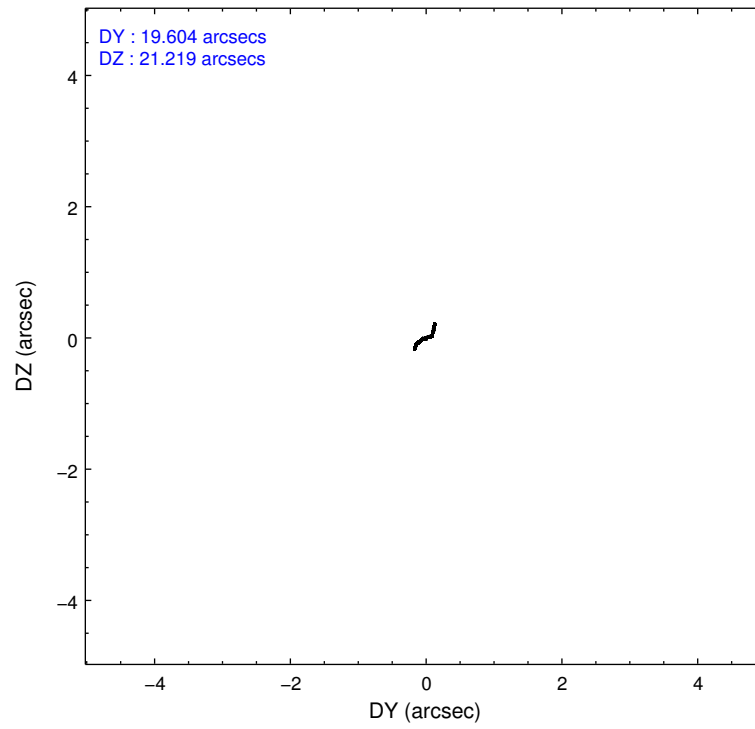
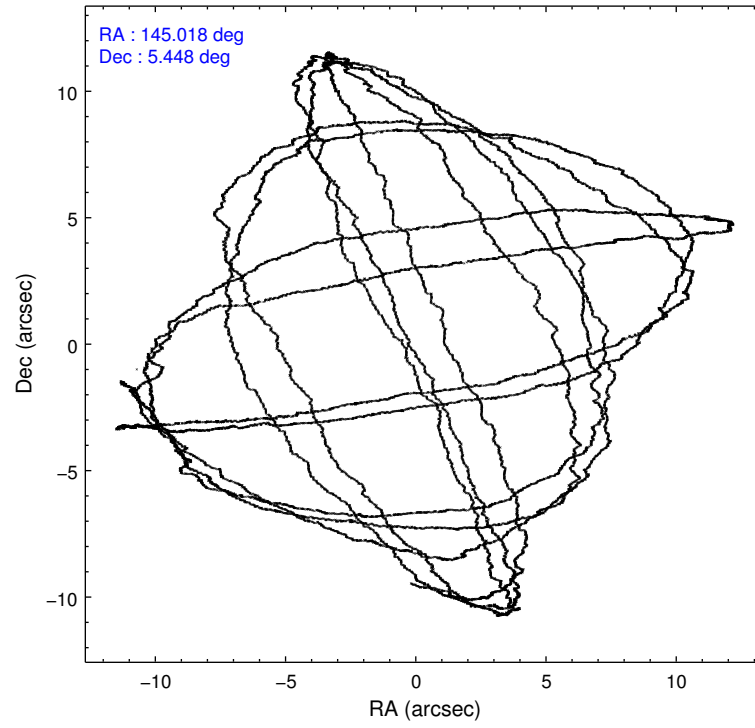
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1552	1541	1529	2105
	3%	3%	3%	3%
grade 1 events	20	18	19	87
	0%	0%	0%	0%
grade 2 events	1050	984	1196	5080
	2%	2%	2%	9%
grade 3 events	442	463	436	1874
	1%	1%	0%	3%
grade 4 events	467	517	483	1892
	1%	1%	1%	3%
grade 5 events	1730	2018	2024	5598
	4%	4%	4%	10%
grade 6 events	917	941	1187	13299
	2%	2%	2%	23%
grade 7 events	36405	35998	36868	25786
	85%	84%	84%	46%

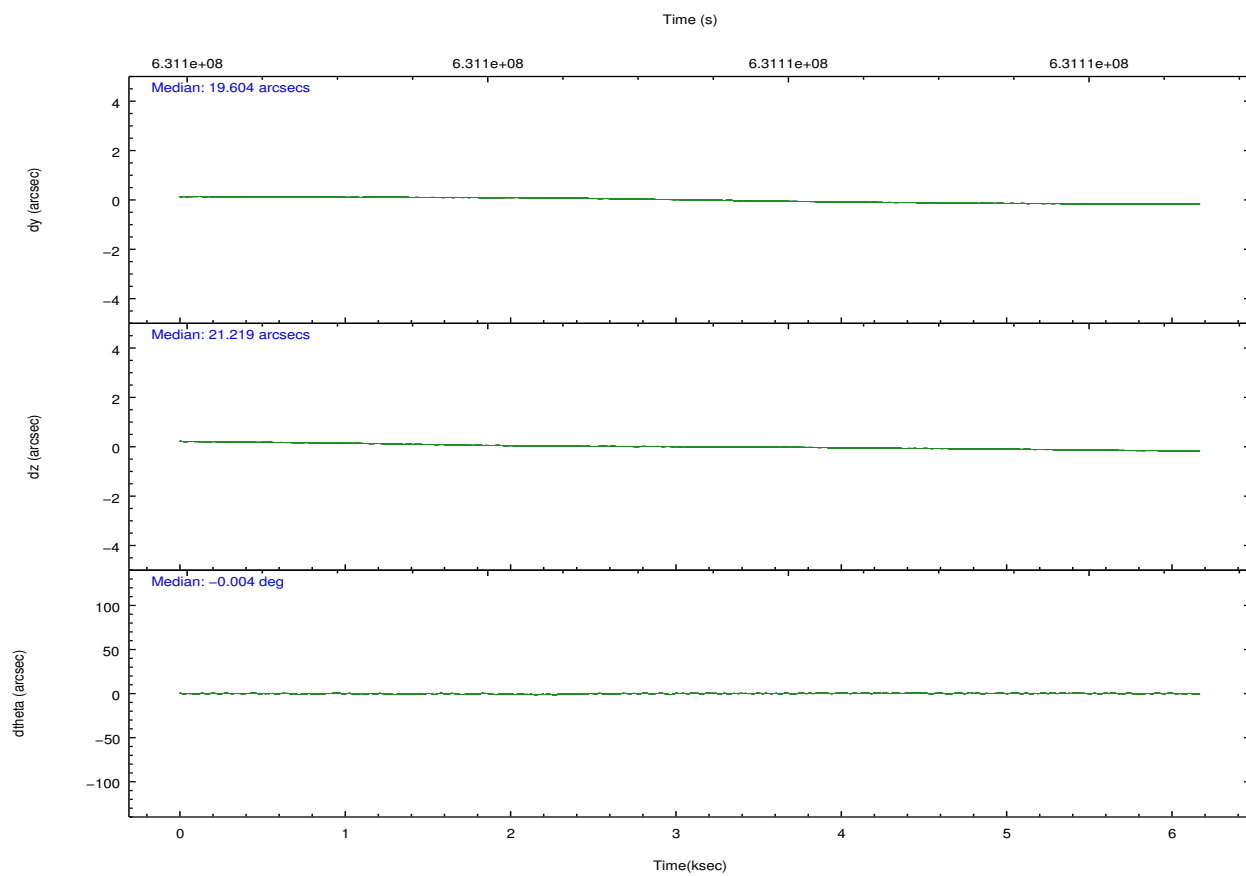
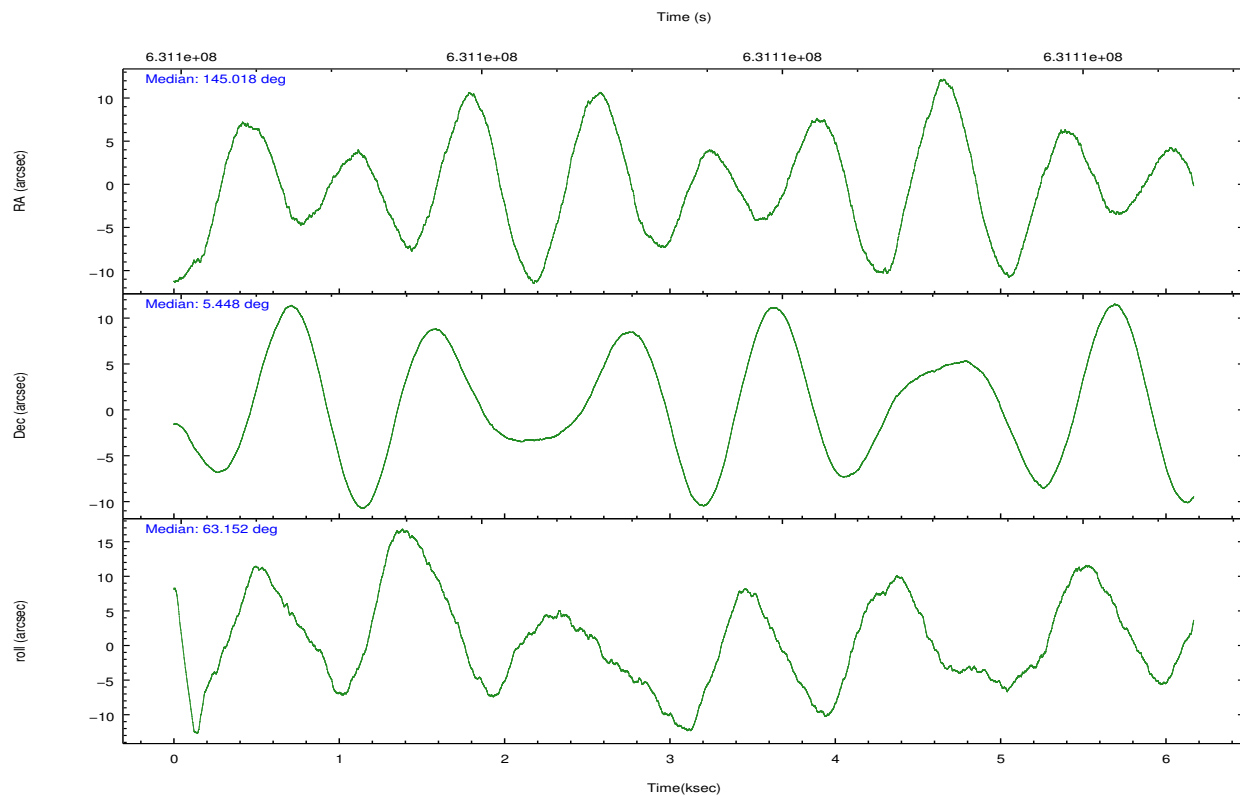
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	145.019739	145.0178262519248
[deg] Pointing Dec	5.421211	5.448552333454611
[deg] Pointing Roll	63.000025	63.15685249227514
[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)	631102398.184000	631101607.7490799
Observation start date	2017-12-31T10:12:09	2017-12-31T10:00:07
[s] Observation end time (MET)	631108398.184000	631109368.53704
Observation end date	2017-12-31T11:52:09	2017-12-31T12:09:28
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	Y
CCD I3 on	O3	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O2	Y
CCD S3 on	Y	Y
CCD S4 on	N	N
CCD S5 on	N	N
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



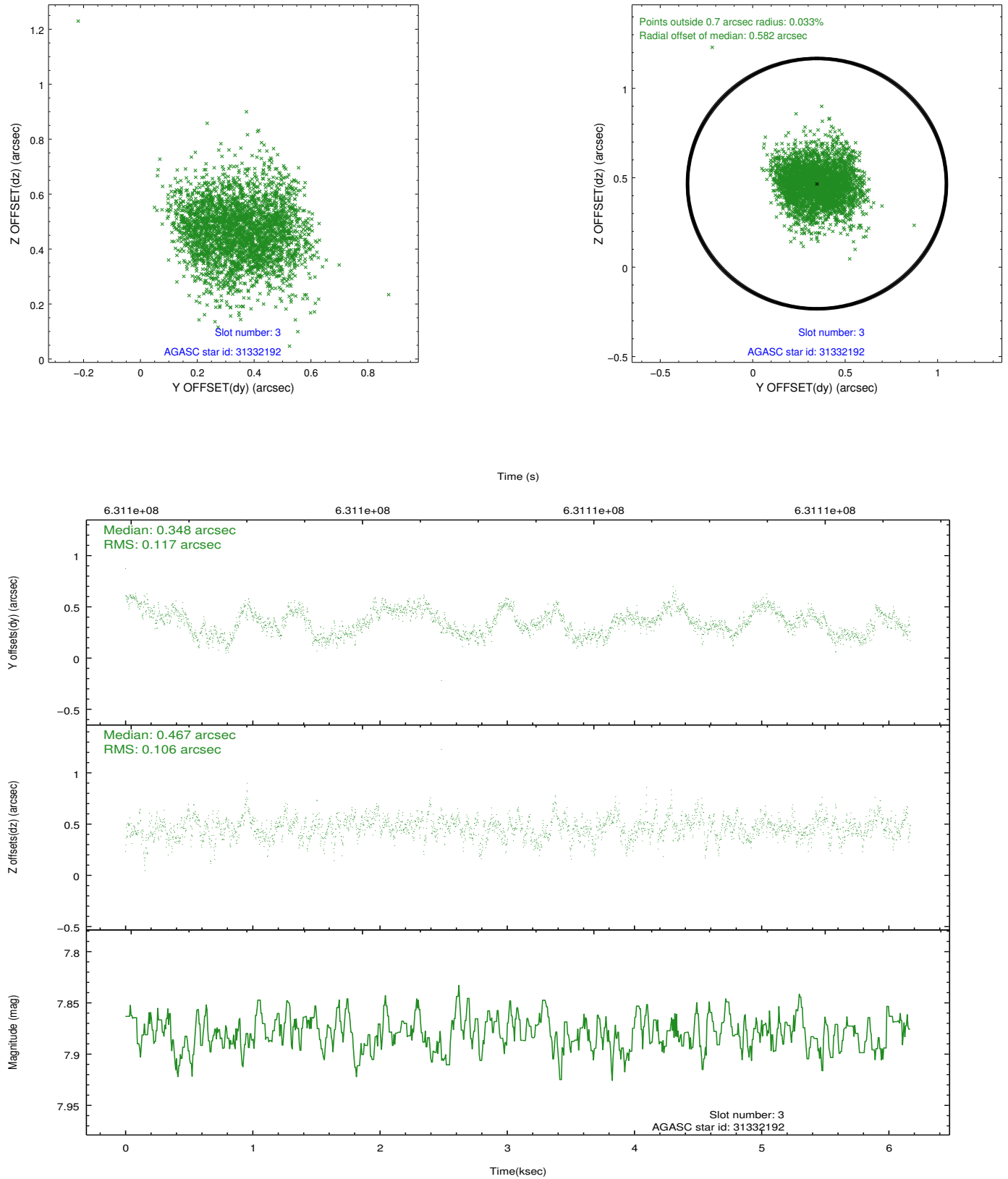


Slot Statistics

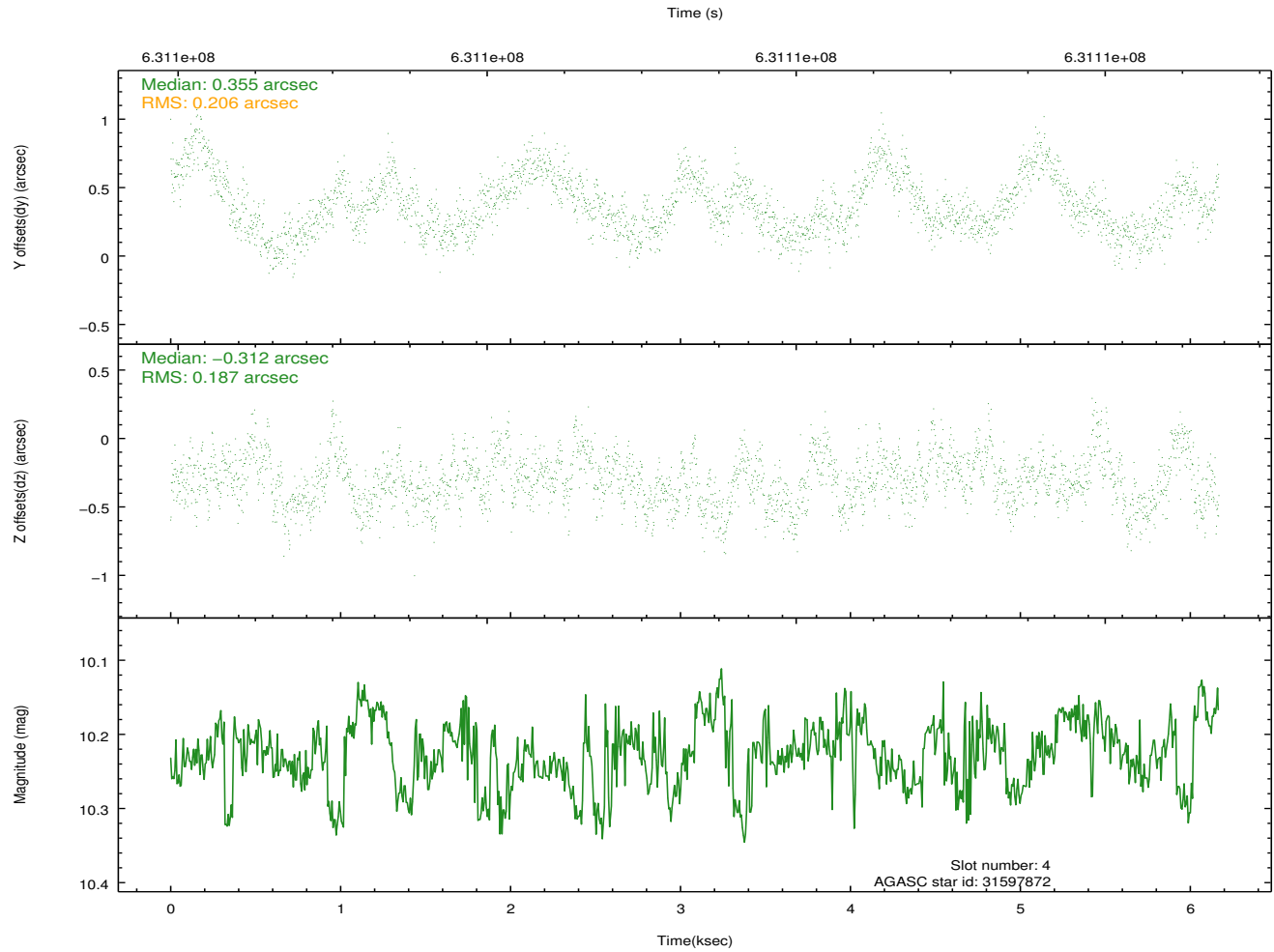
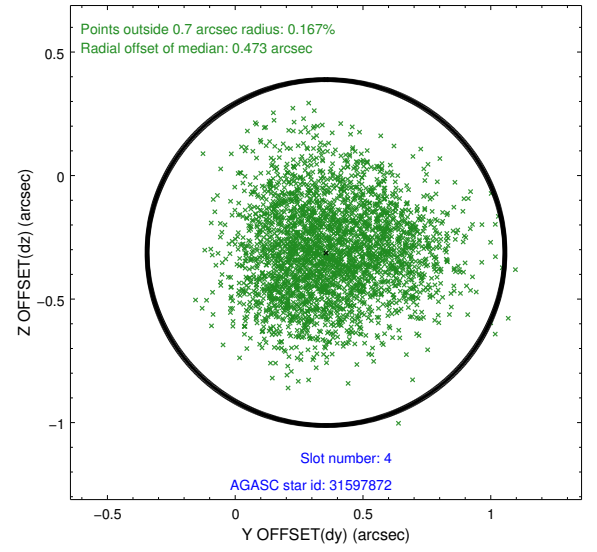
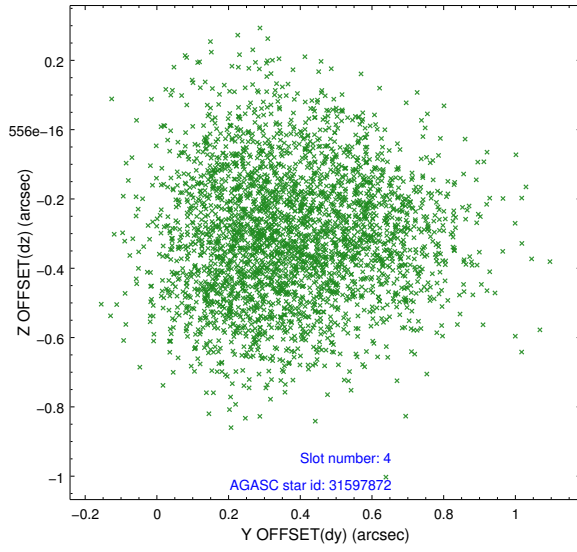
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.01	1505	-0.251	-0.131	0.007	0.012	0.000000	0.000000	-772.93	-1742.91
1	FID		ACIS-S-4	7.12	1505	0.549	0.156	0.006	0.012	0.000000	0.000000	2140.69	164.88
2	FID		ACIS-S-5	7.11	1505	-0.328	-0.017	0.007	0.012	0.000000	0.000000	-1824.64	159.45
3	GUIDE	used	31332192	7.88	3010	0.348	0.467	0.169	0.258	145.337802	4.702192	-1787.23	-2191.63
4	GUIDE	used	31597872	10.23	2999	0.355	-0.312	0.300	0.470	144.789039	5.380670	-505.14	669.68
5	GUIDE	used	31605464	9.77	3000	-0.255	-0.700	0.264	0.453	144.574544	5.643432	-10.92	1784.28
6	GUIDE	used	31721440	10.02	2992	-0.236	0.277	0.320	0.513	145.743656	5.452917	1281.26	-2257.85
7	GUIDE	used	31726800	10.08	2991	-0.217	0.280	0.332	0.539	145.579864	5.475284	1086.33	-1699.91

2.4 Star Slots

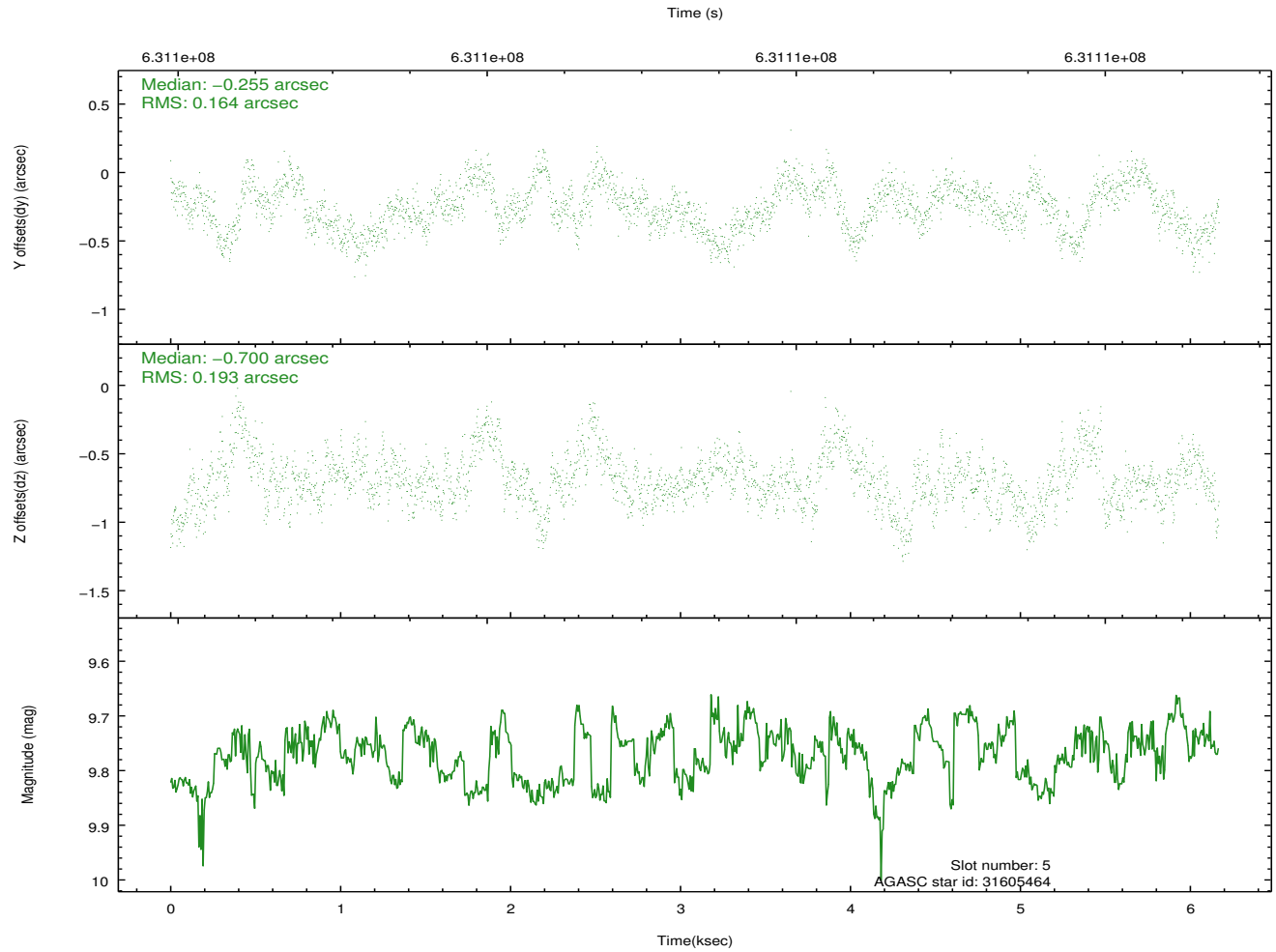
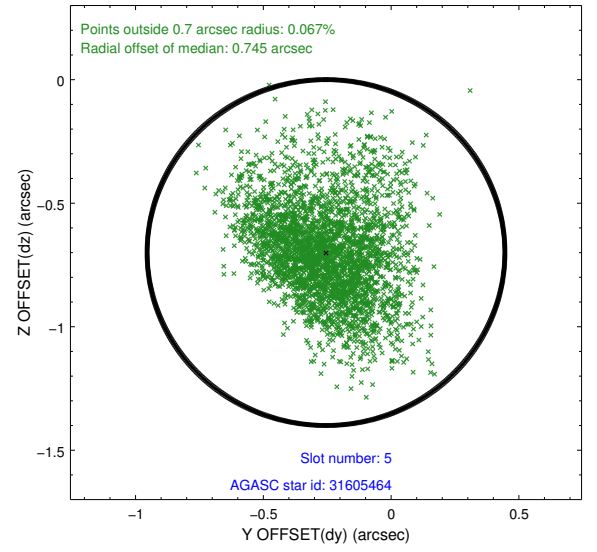
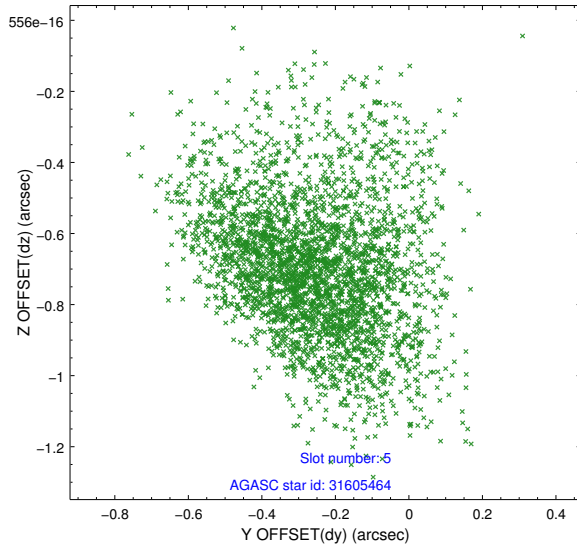
2.4.1 Slot 3



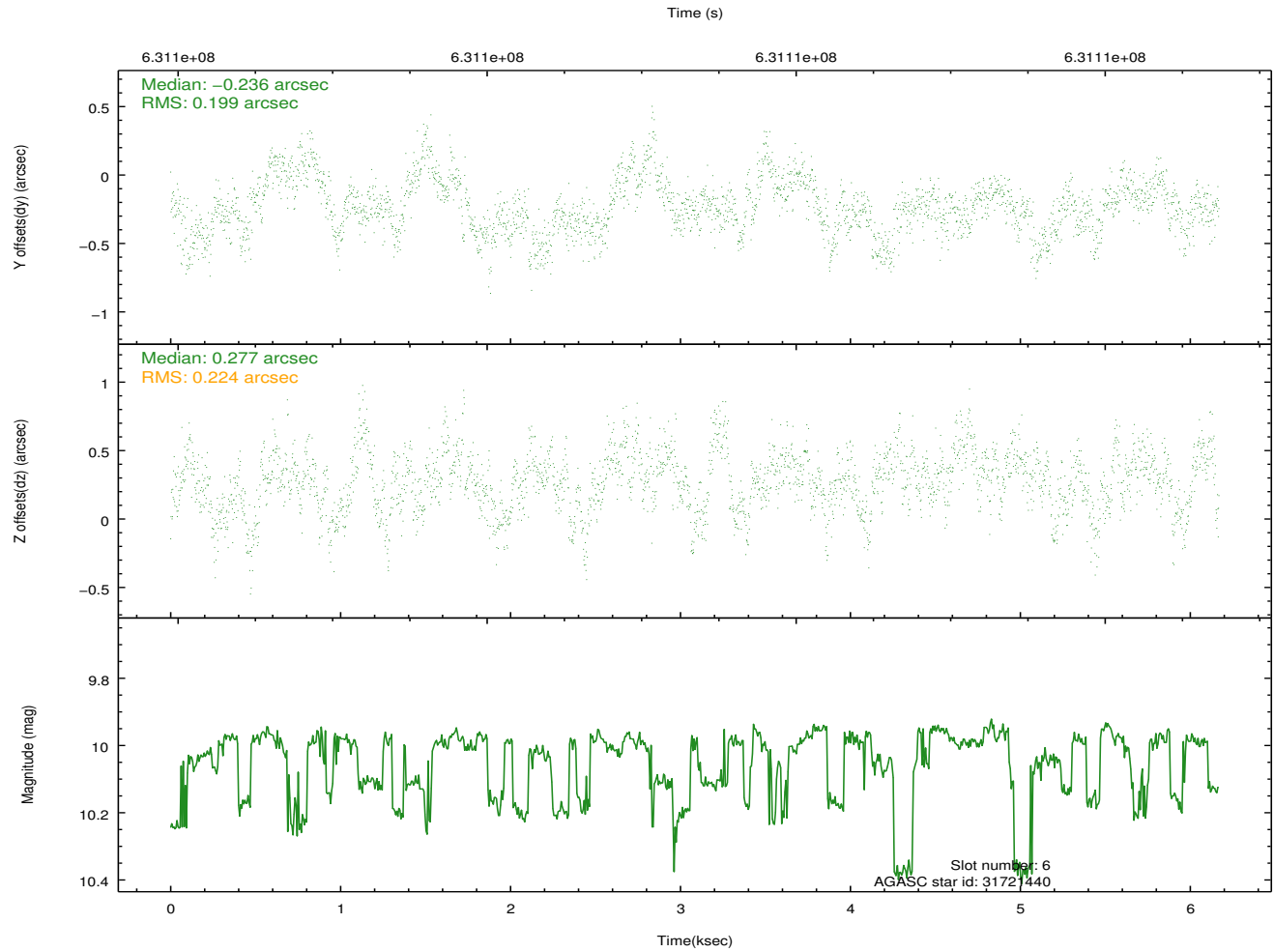
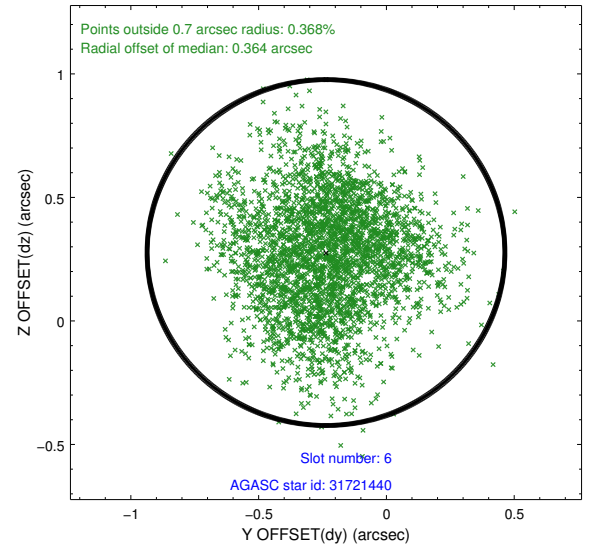
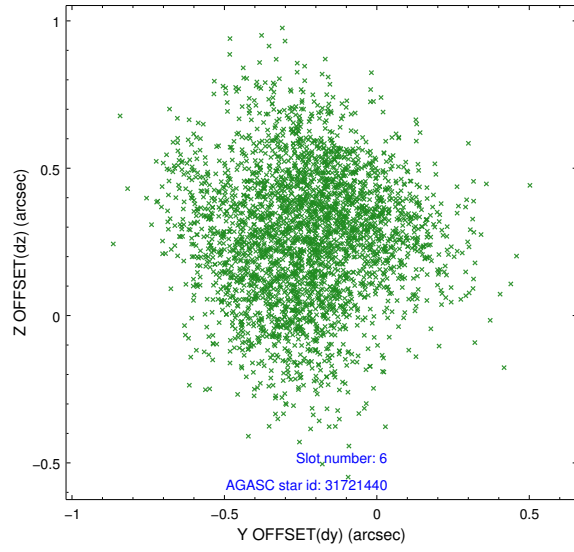
2.4.2 Slot 4



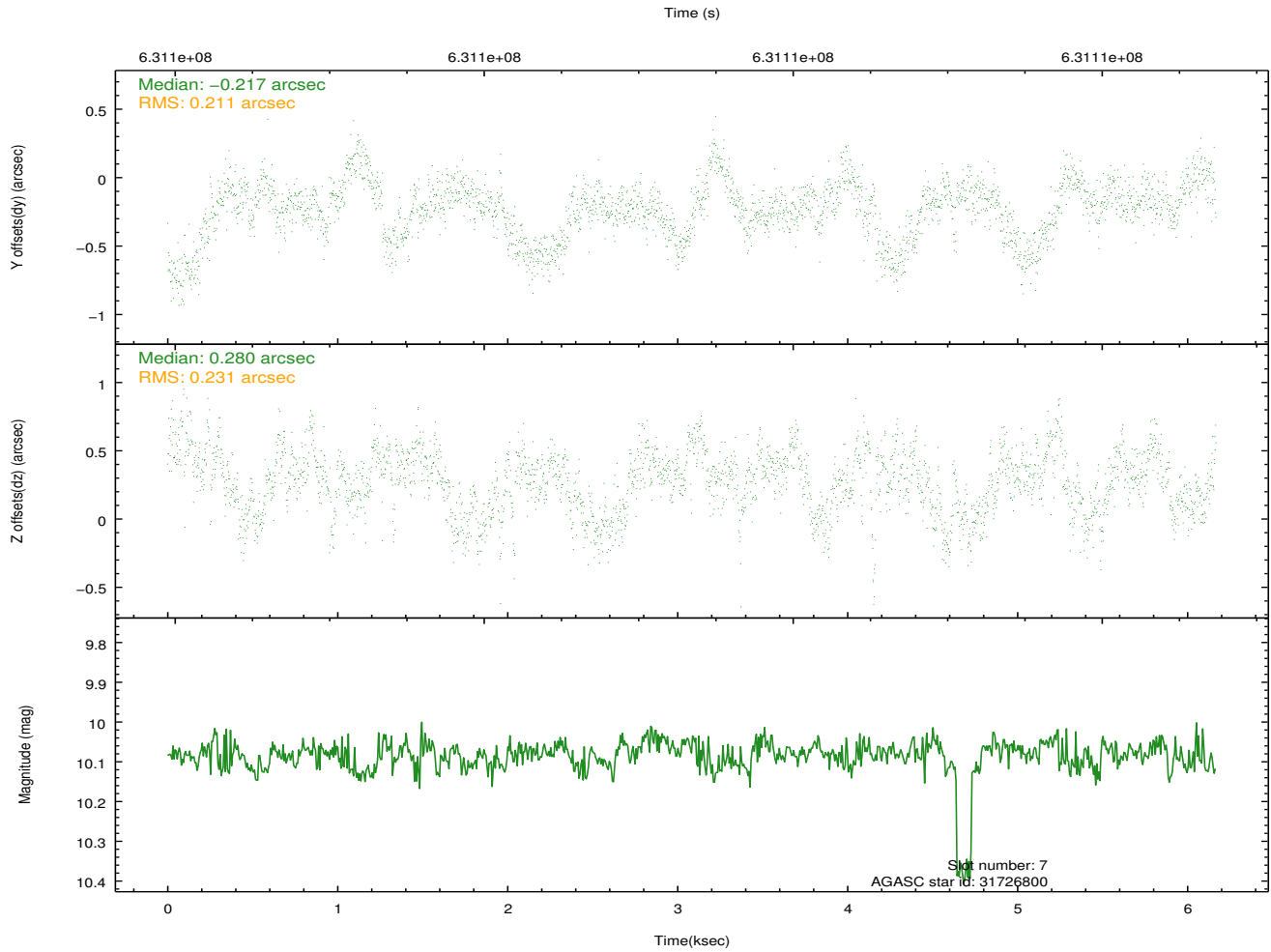
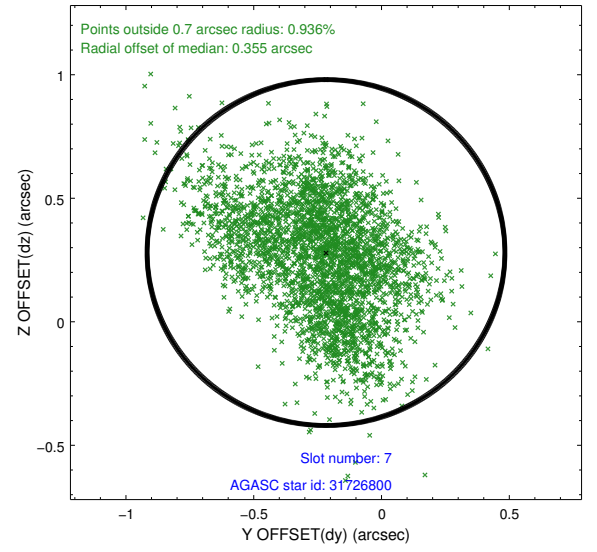
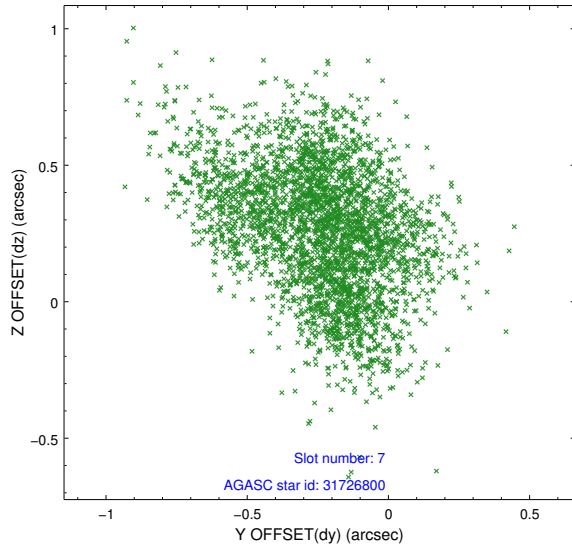
2.4.3 Slot 5



2.4.4 Slot 6

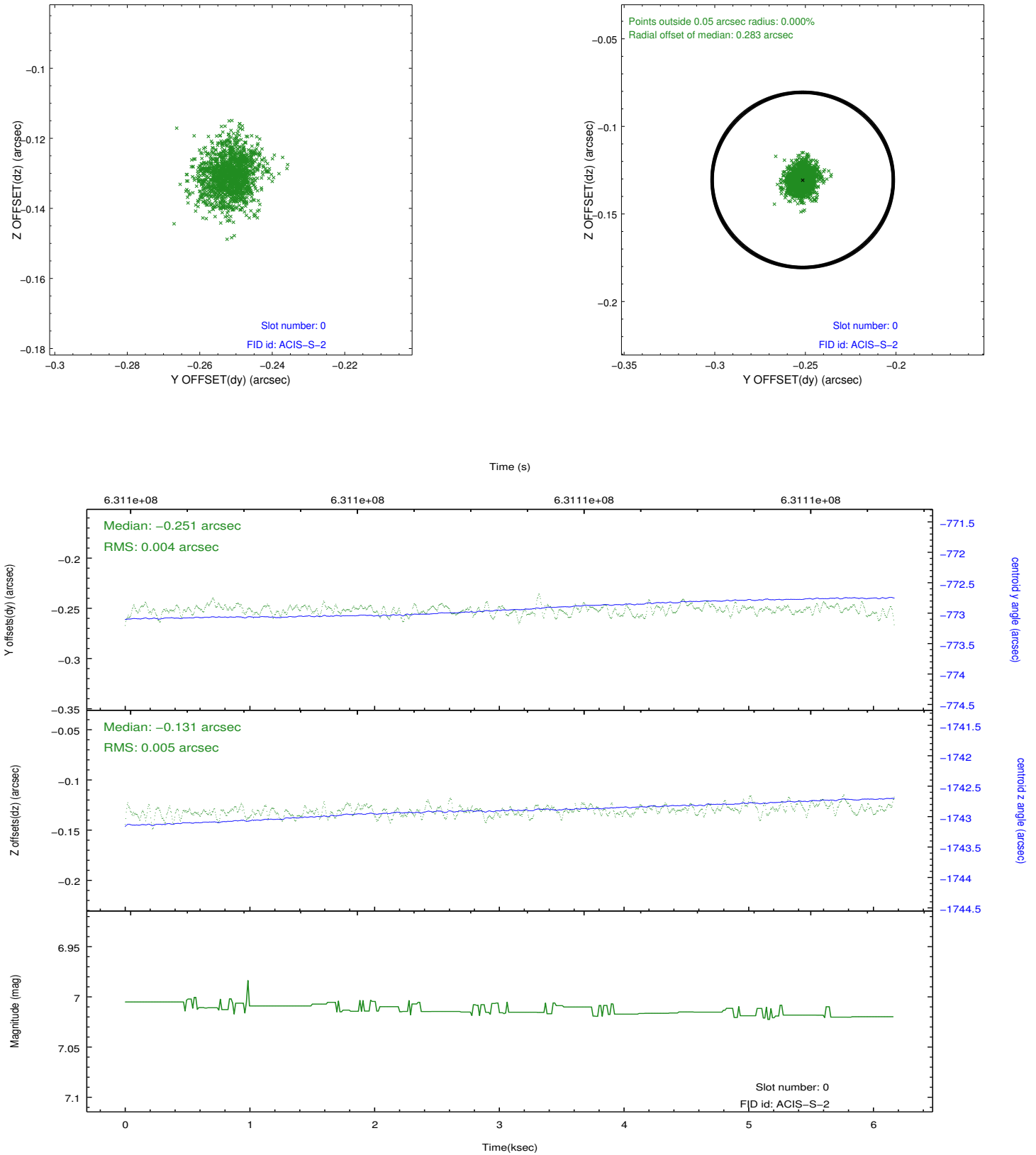


2.4.5 Slot 7

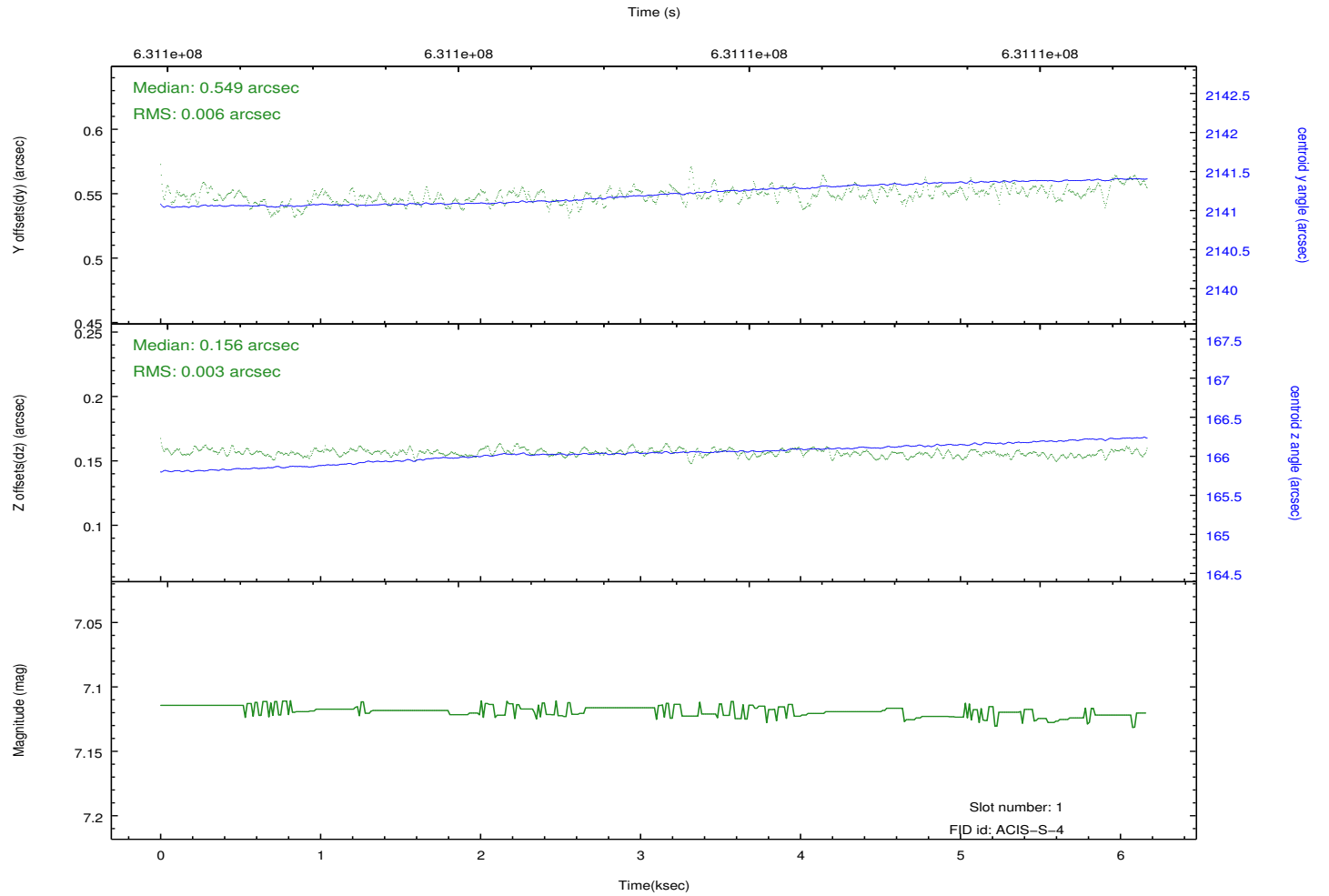
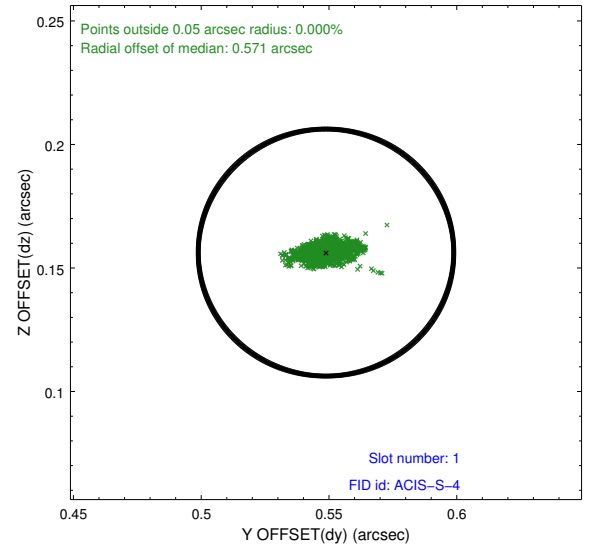
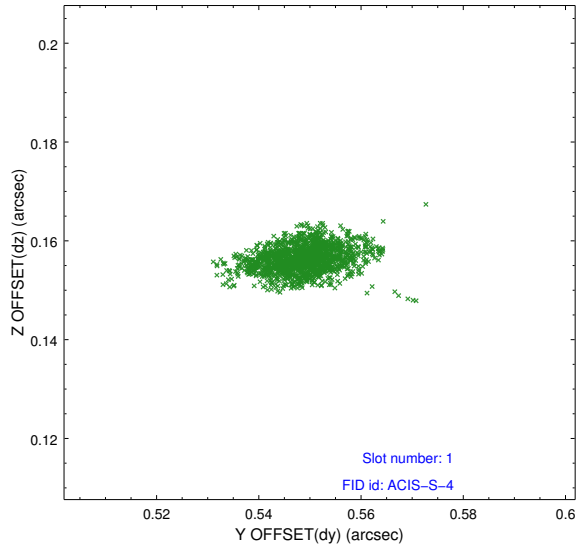


2.5 FID Slots

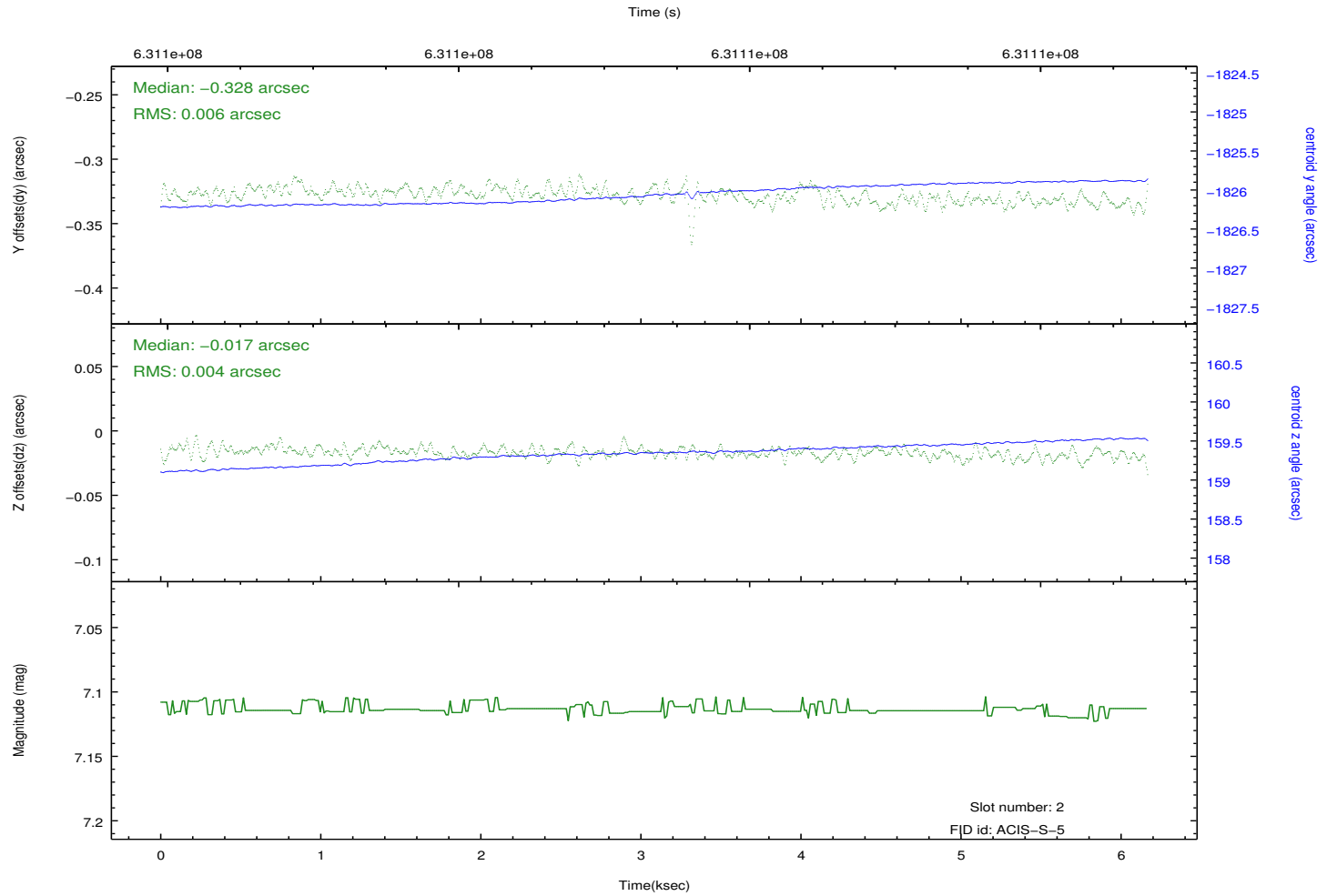
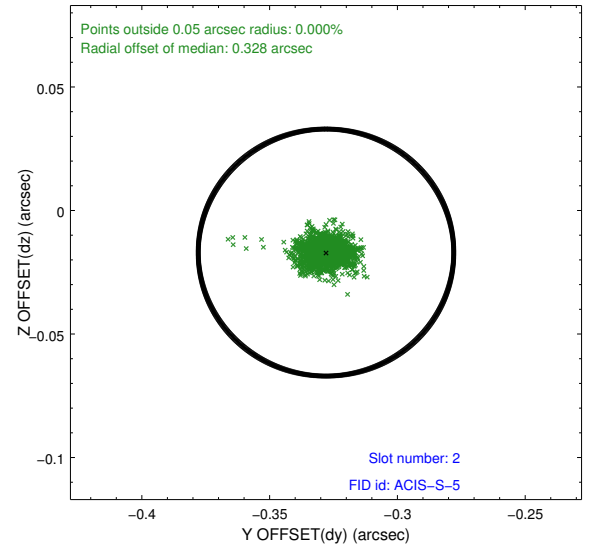
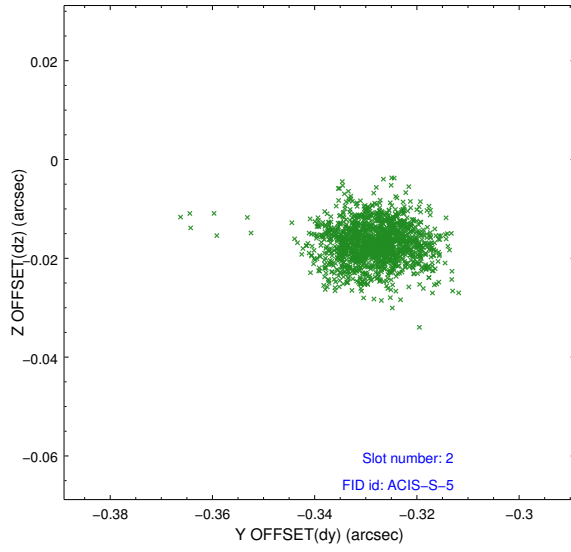
2.5.1 Slot 0



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)	2018.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0698000468016

A.2 Comments