

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19485 - L2 Version 1
Chandra X-Ray Center

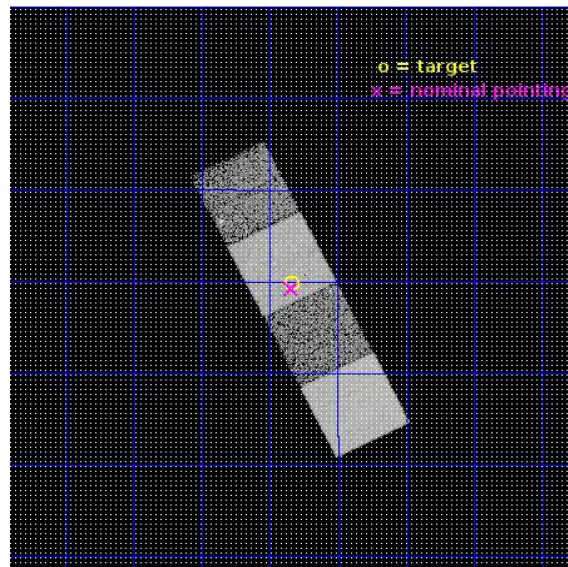
L2 Processing Date : Mar 9 2017

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1 Front

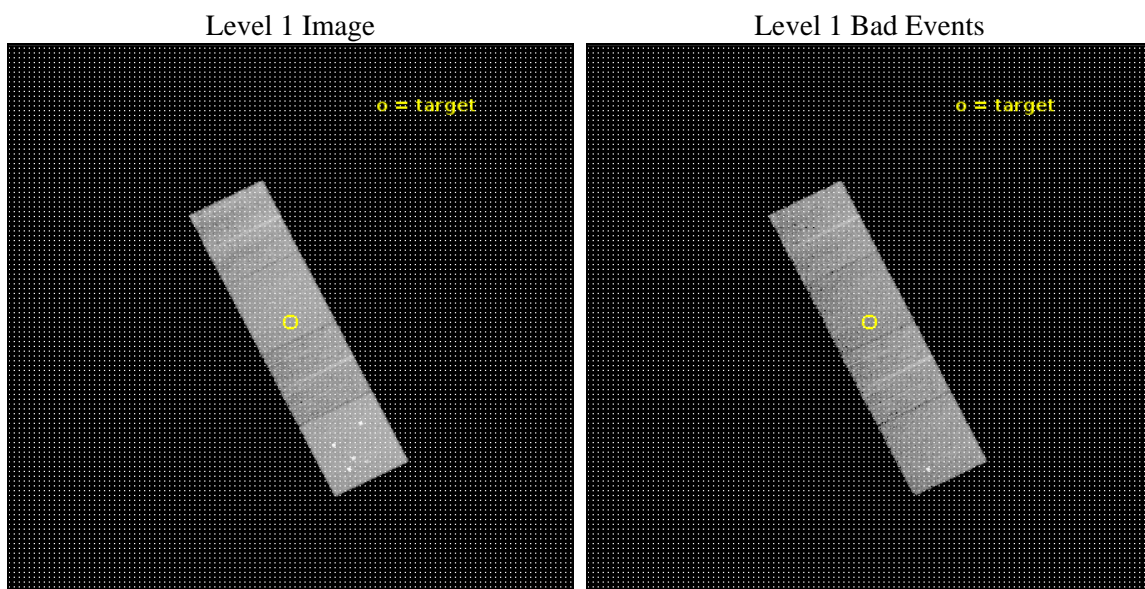
seq_num	703333	Sequence number
obs_id	19485	Observation id
title	UNDERSTANDING THE ROLE OF AGN IN TRANSITIONING GALAXI	Proposal tit
observer	Dr. Lauranne Lanz	Principal investigator
object	spog1070	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	144.582917	Observer's specified target RA [deg]
dec_targ	18.331306	Observer's specified target Dec [deg]
ra_nom	144.58510092982	Nominal RA [deg]
dec_nom	18.320718763395	Nominal Dec [deg]
roll_nom	243.45991084786	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10062.60007751	Sum of GTIs [s]
livetime	9931.1247995188	Livetime [s]
ontime5	10062.60007751	Sum of GTIs [s]
ontime6	10062.60007751	Sum of GTIs [s]
ontime7	10062.60007751	Sum of GTIs [s]
ontime8	10062.60007751	Sum of GTIs [s]
l2events	106919	Number of level 2 events



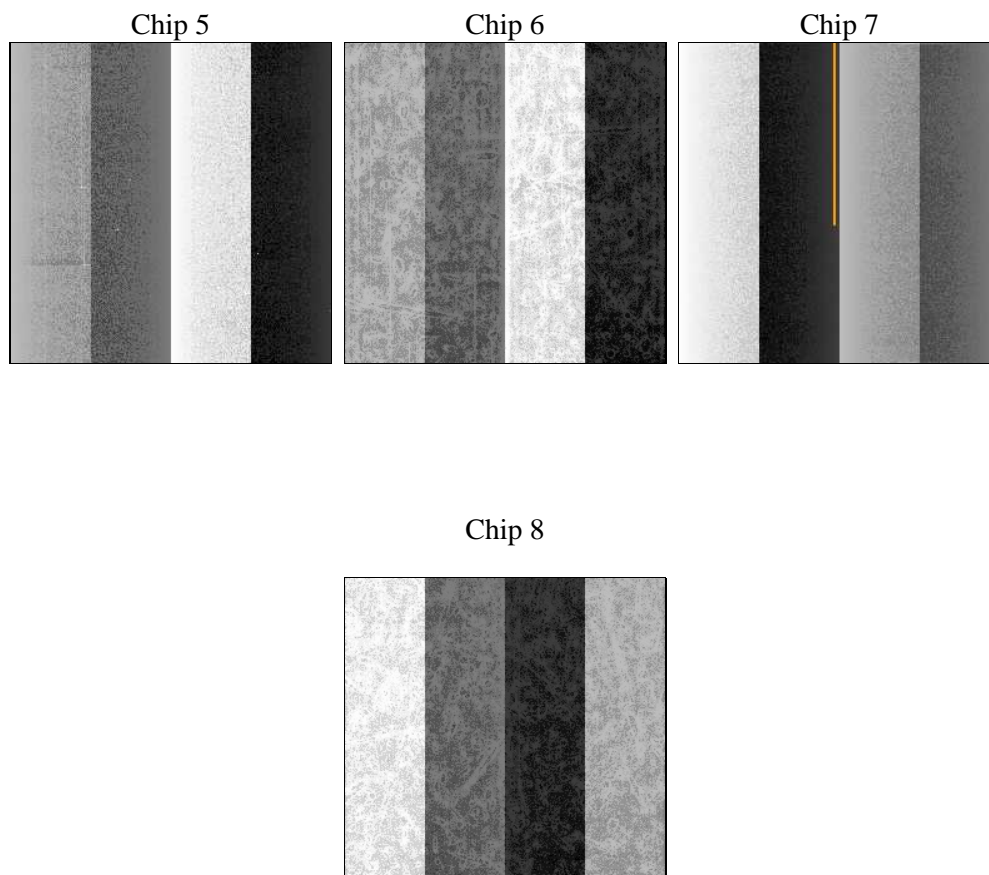
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	10062.60007751	Sum of GTIs [s]
caldsver	4.7.3	 	ontime5	10062.60007751	Sum of GTIs [s]
date	2017-03-09T16:55:52	Date and time of file creation	ontime6	10062.60007751	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	10062.60007751	Sum of GTIs [s]
			ontime8	10062.60007751	Sum of GTIs [s]
			l1events	386835	Number of level 1 events

2.1.4 Events

	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	126290	72804	93554	94187
rejected events	62652	64432	52888	69521
rejected %	49%	88%	56%	73%

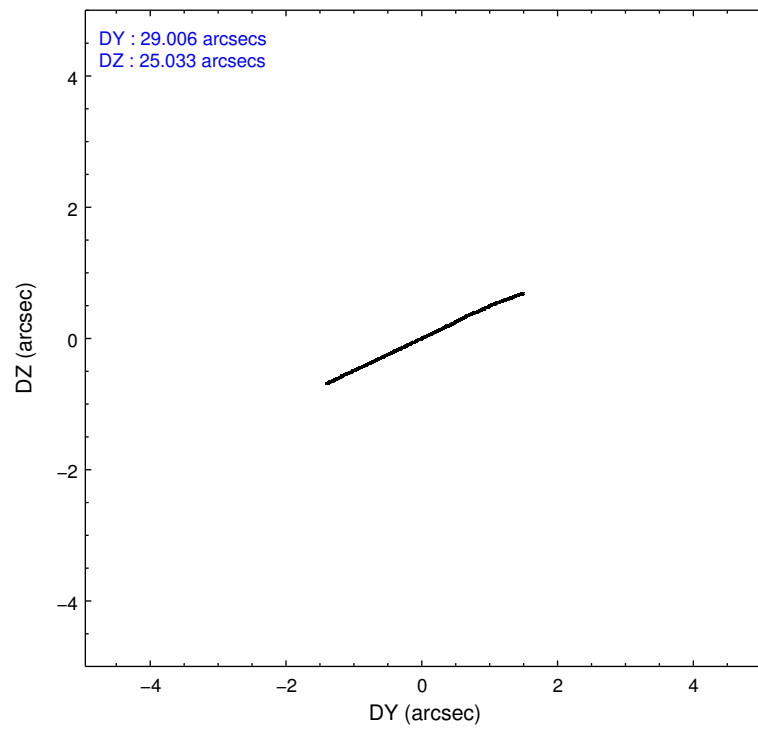
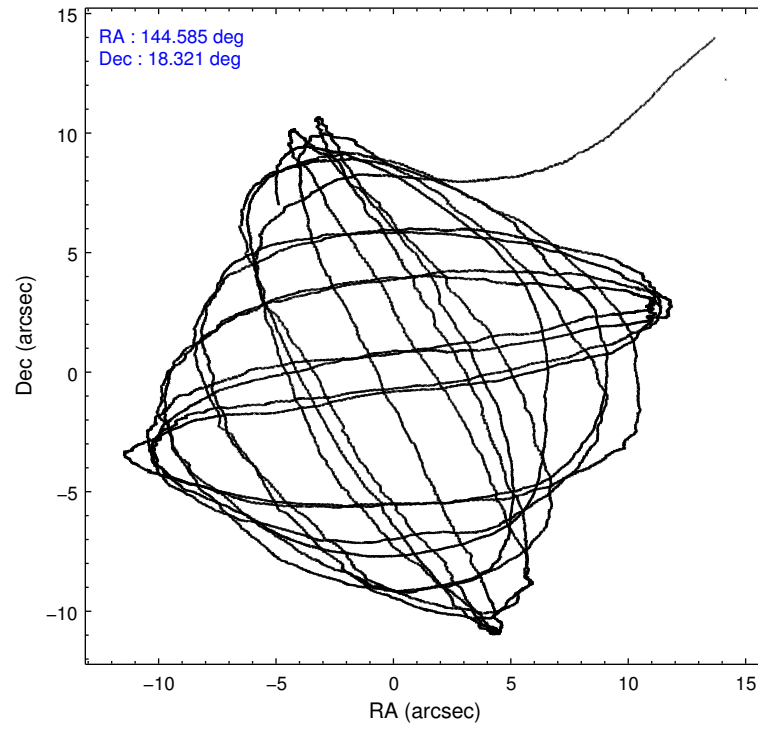
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	11960	2911	3373	7001
	9%	3%	3%	7%
grade 1 events	281	45	118	77
	0%	0%	0%	0%
grade 2 events	18029	1871	8773	6076
	14%	2%	9%	6%
grade 3 events	1743	849	3238	2626
	1%	1%	3%	2%
grade 4 events	1570	805	3132	2370
	1%	1%	3%	2%
grade 5 events	8220	3473	9329	5205
	6%	4%	9%	5%
grade 6 events	30359	1937	22165	6597
	24%	2%	23%	7%
grade 7 events	54128	60913	43426	64235
	42%	83%	46%	68%

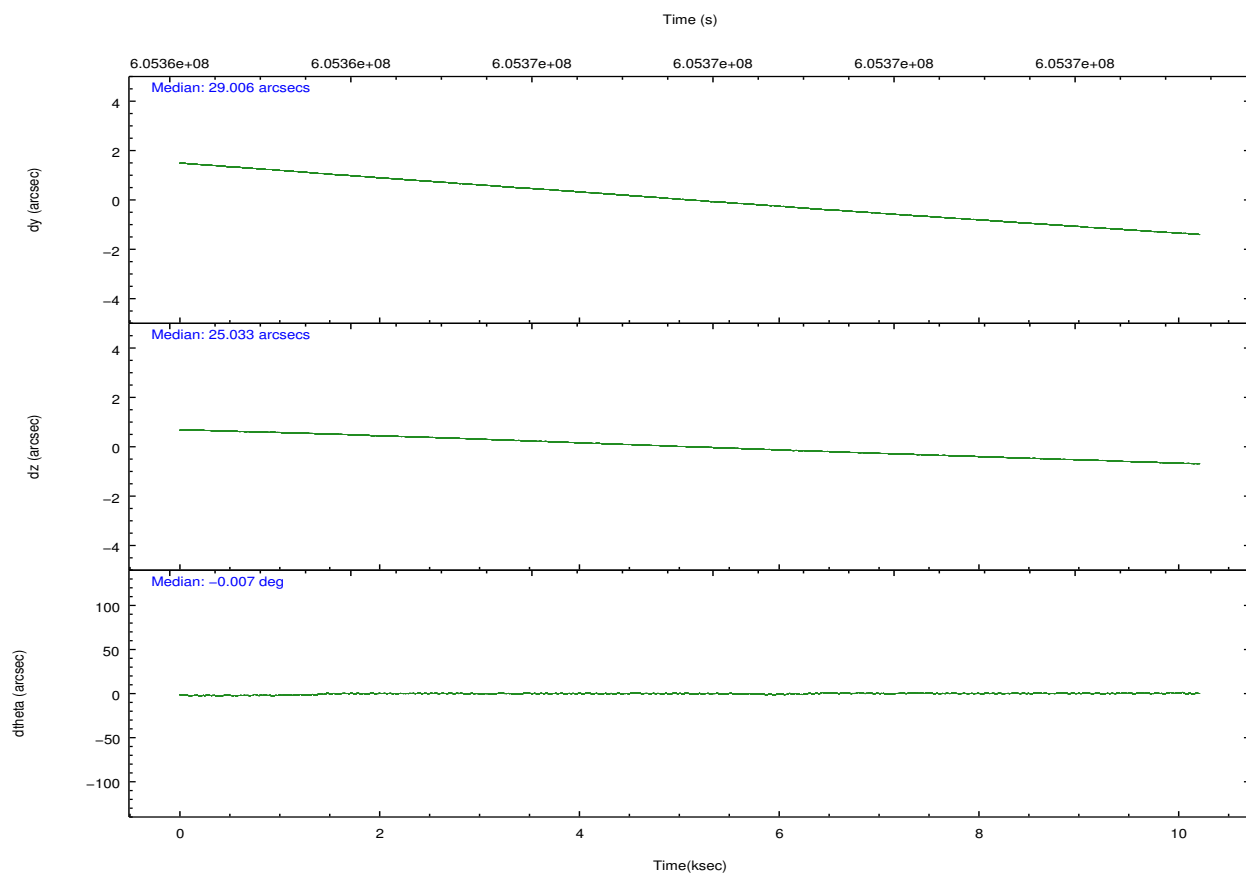
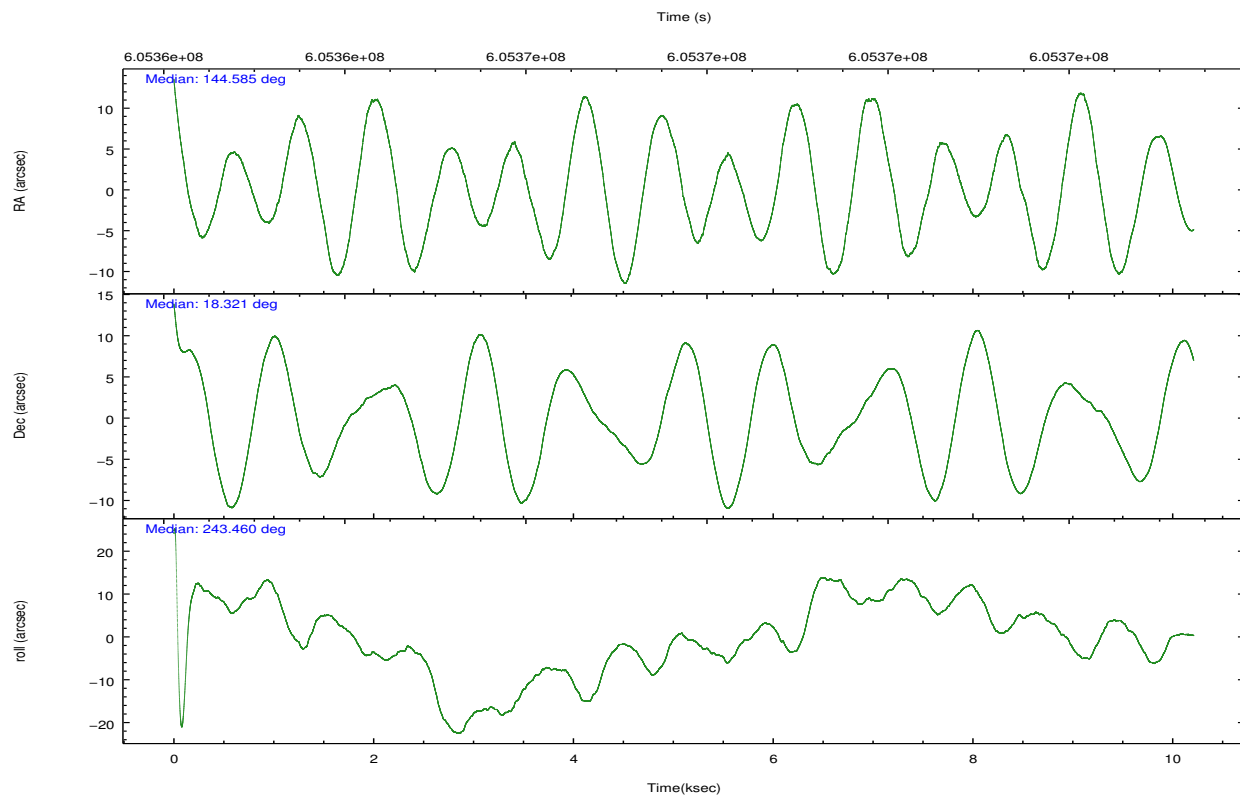
2.2 Compared Parameters

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	144.582959	144.5851009298164
[deg] Pointing Dec	18.348034	18.32071876339506
[deg] Pointing Roll	243.303919	243.4599108478601
[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)	605362861.184000	605361964.60873
Observation start date	2017-03-08T12:19:52	2017-03-08T12:06:04
[s] Observation end time (MET)	605372861.184000	605373867.4219199
Observation end date	2017-03-08T15:06:32	2017-03-08T15:24:27
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	N
CCD I3 on	O2	N
CCD S0 on	N	N
CCD S1 on	Y	Y
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	2	2
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



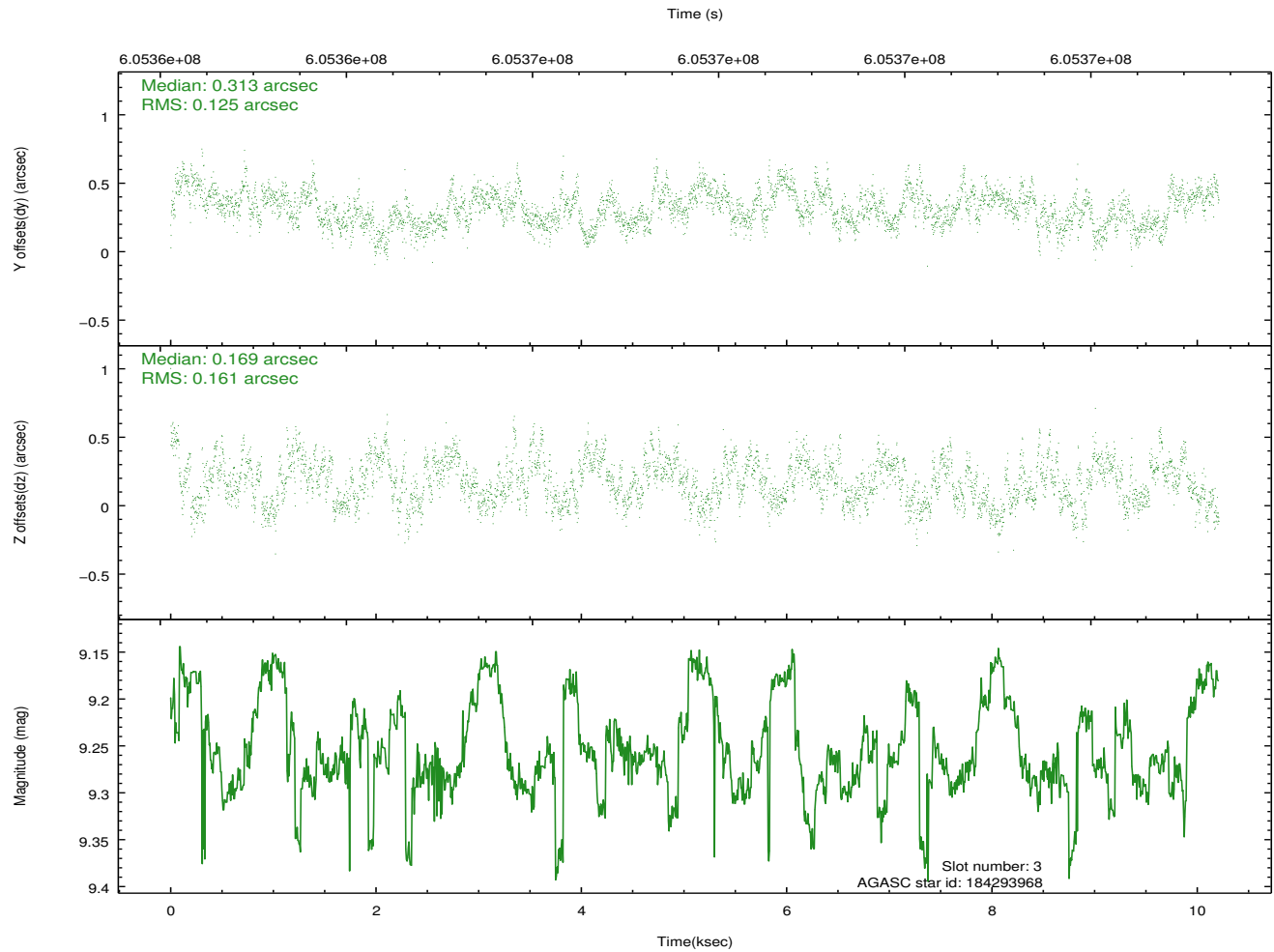
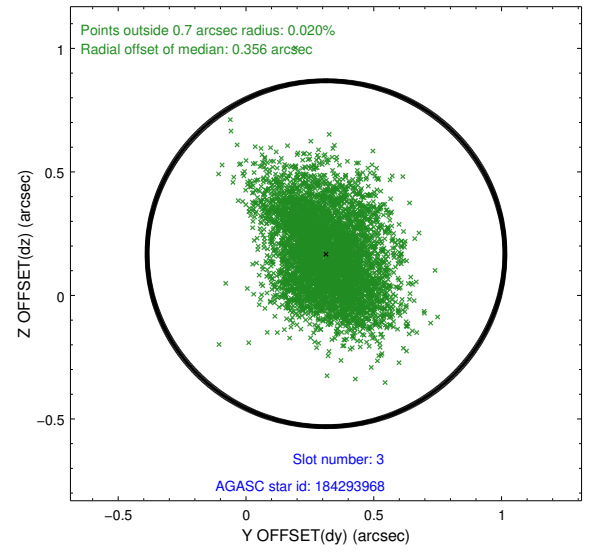
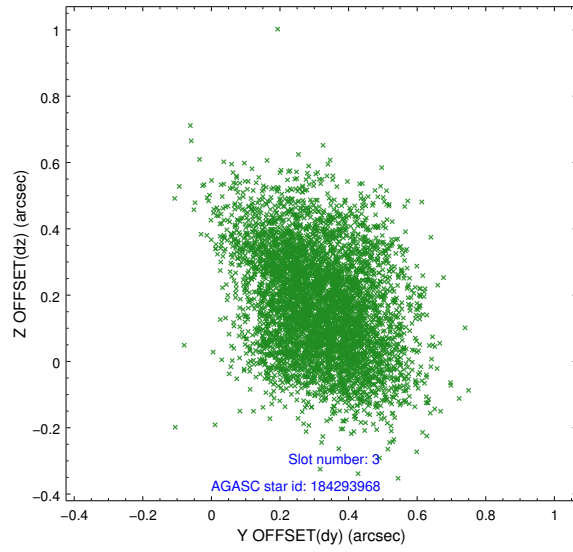


Slot Statistics

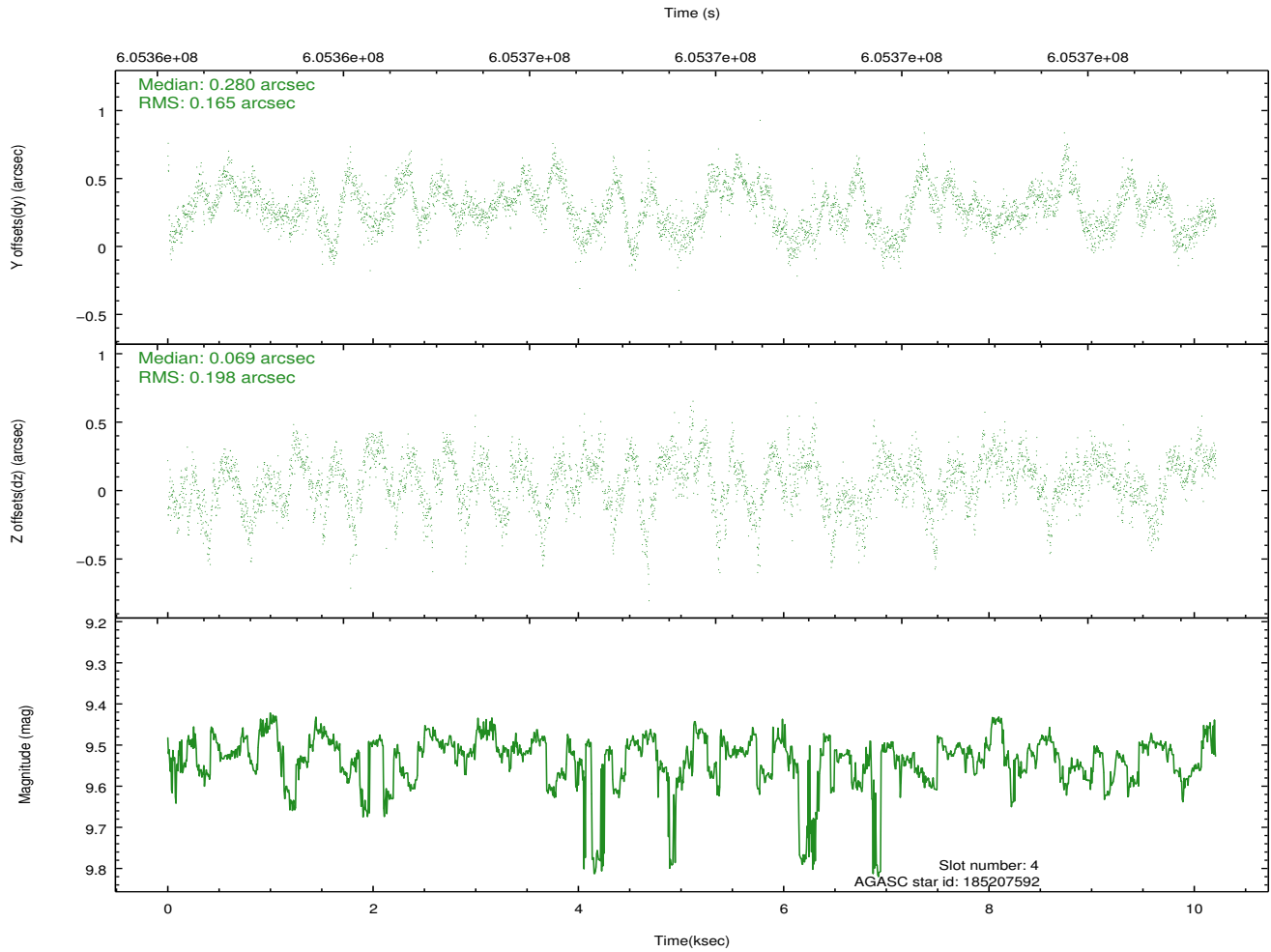
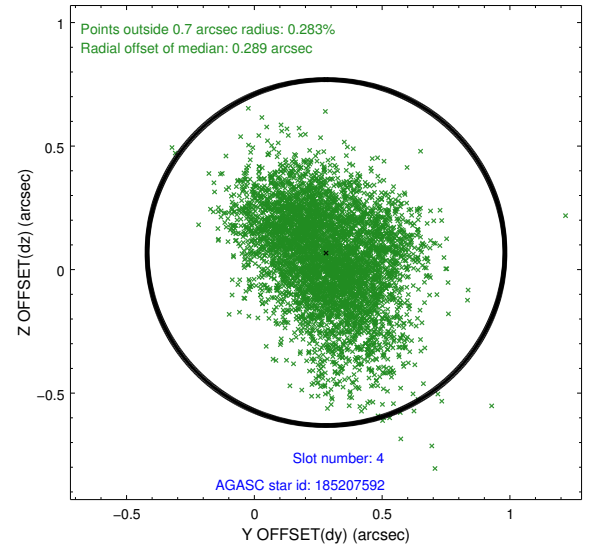
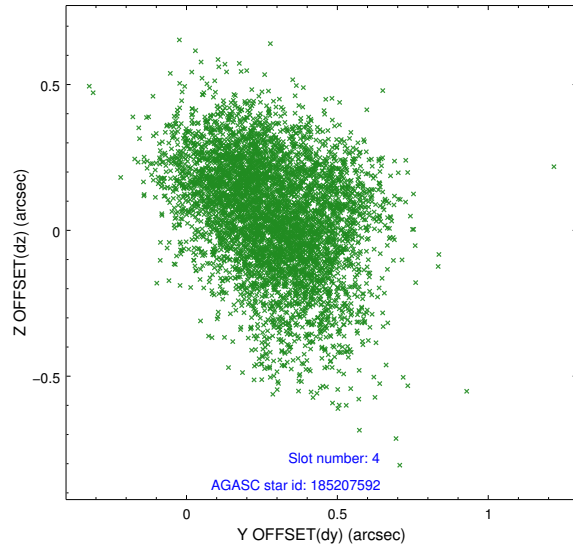
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.01	2491	-0.454	-0.076	0.041	0.078	0.000000	0.000000	-782.70	-1746.81
1	FID		ACIS-S-4	7.11	2490	0.821	0.238	0.031	0.079	0.000000	0.000000	2131.46	161.61
2	FID		ACIS-S-5	7.13	2491	-0.400	-0.156	0.026	0.049	0.000000	0.000000	-1834.97	155.26
3	GUIDE	used	184293968	9.26	4970	0.313	0.169	0.218	0.351	143.862820	18.386424	979.67	-2260.81
4	GUIDE	used	185207592	9.52	4952	0.280	0.069	0.269	0.445	145.189886	18.392035	-1075.37	1779.11
5	GUIDE	used	185208368	9.09	4976	-0.304	-0.074	0.183	0.286	144.289501	17.835100	2100.71	-69.11
6	GUIDE	used	185209368	9.36	4951	0.269	0.453	0.320	0.548	144.527677	18.641742	-859.32	-643.52
7	GUIDE	used	185209840	9.14	4972	-0.568	-0.564	0.247	0.410	144.864087	17.582589	2027.65	2099.14

2.4 Star Slots

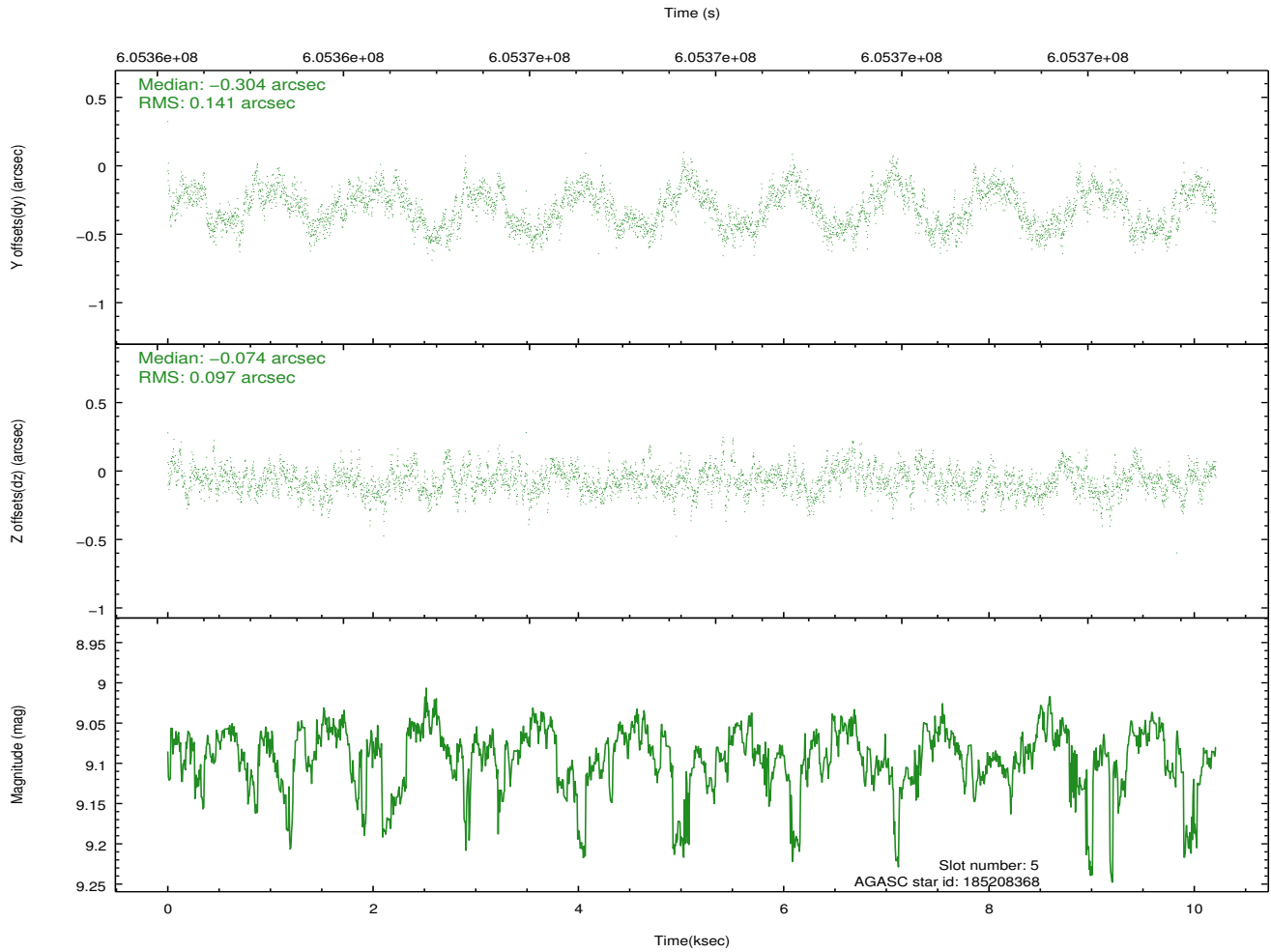
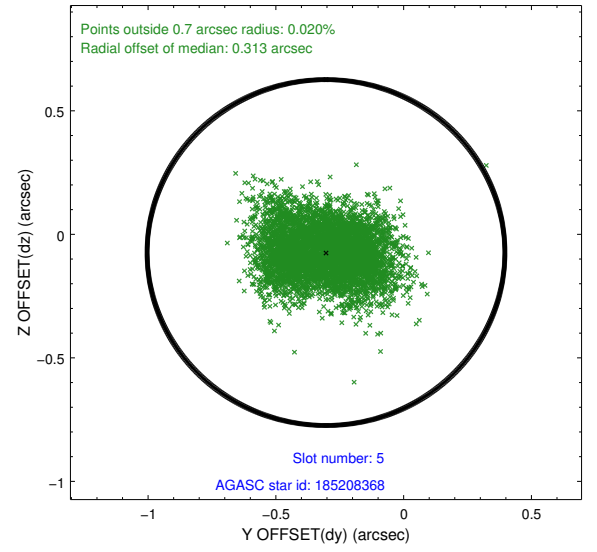
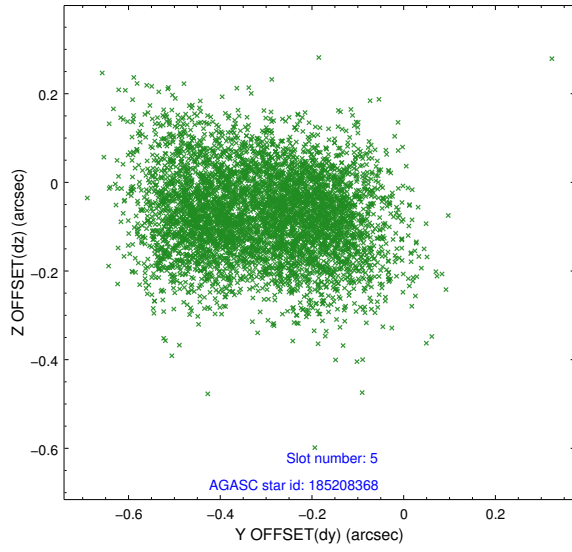
2.4.1 Slot 3



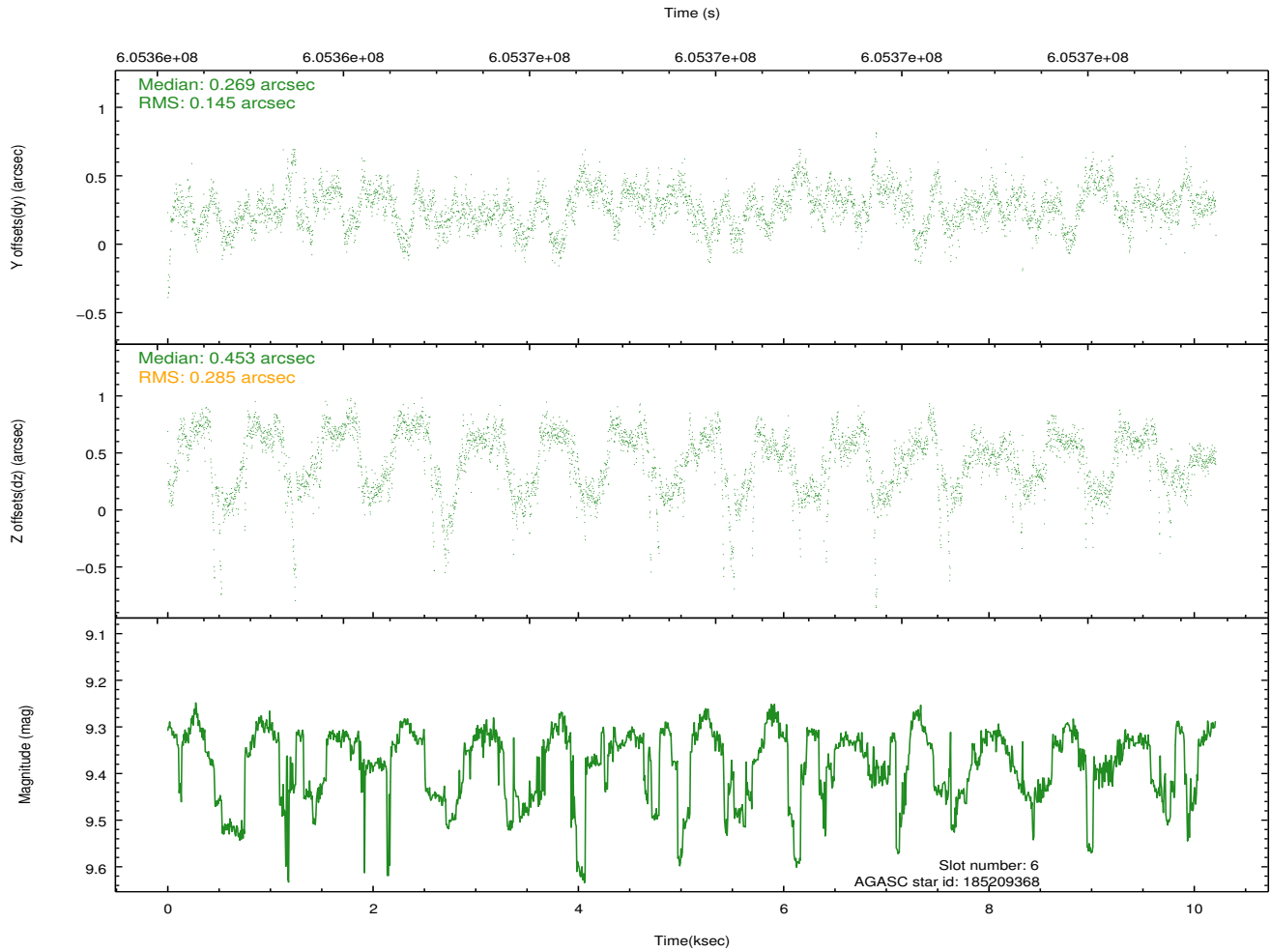
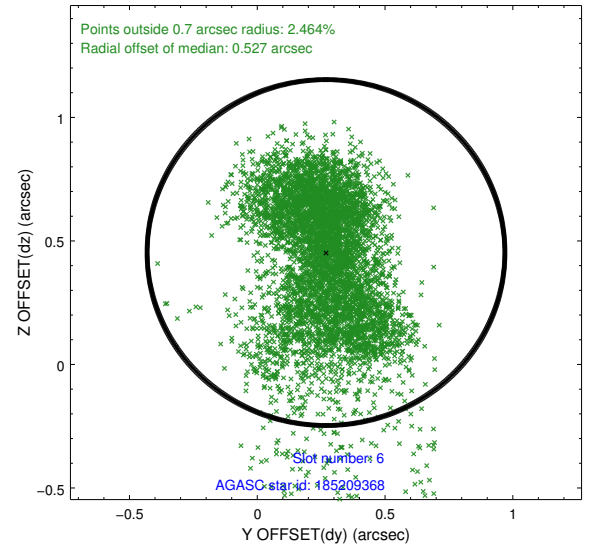
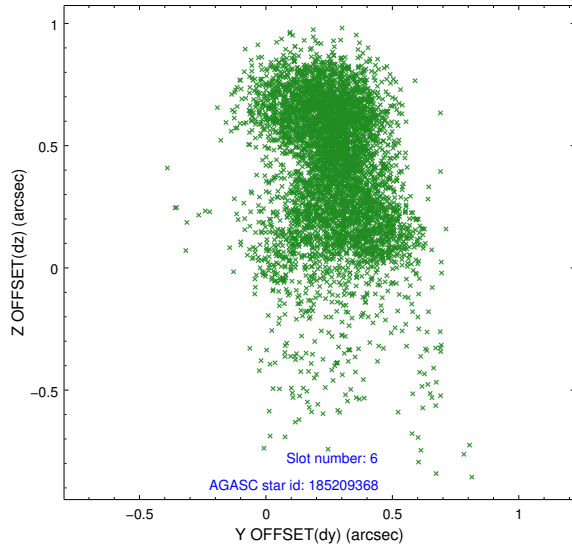
2.4.2 Slot 4



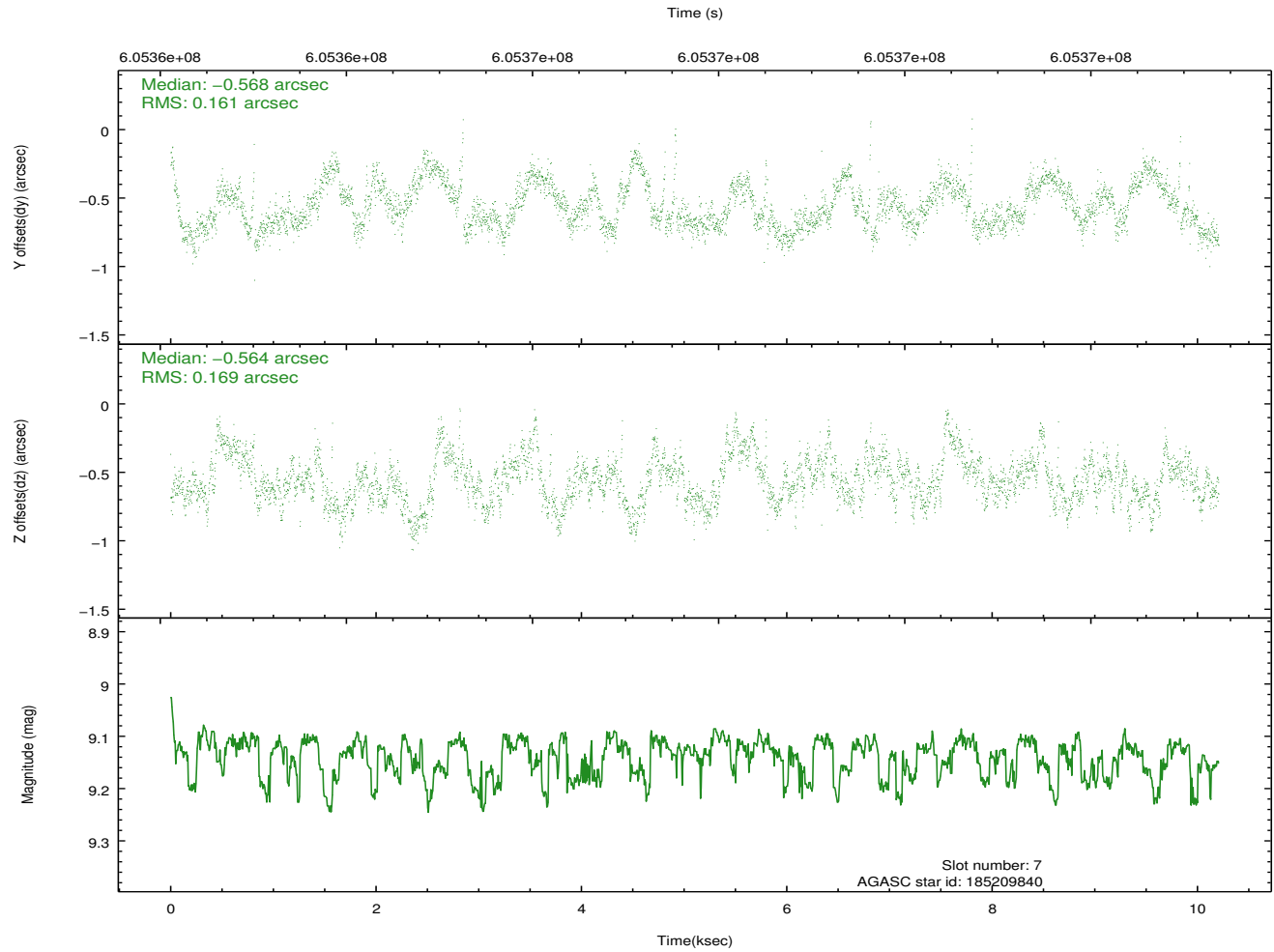
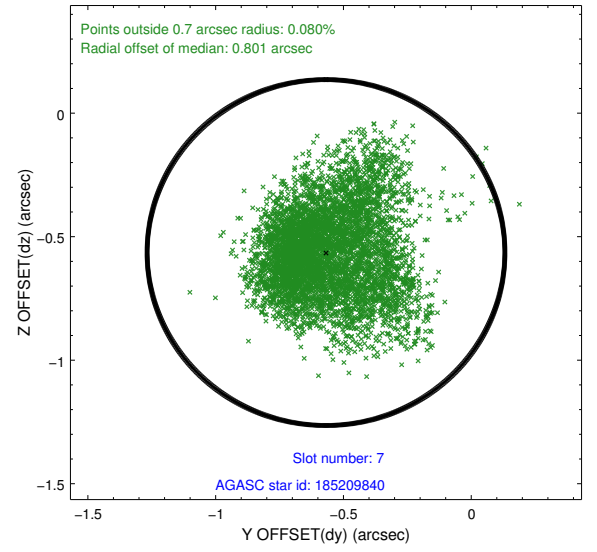
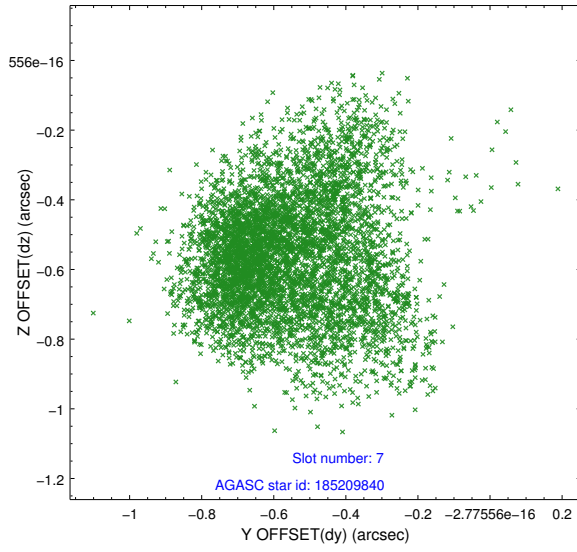
2.4.3 Slot 5



2.4.4 Slot 6

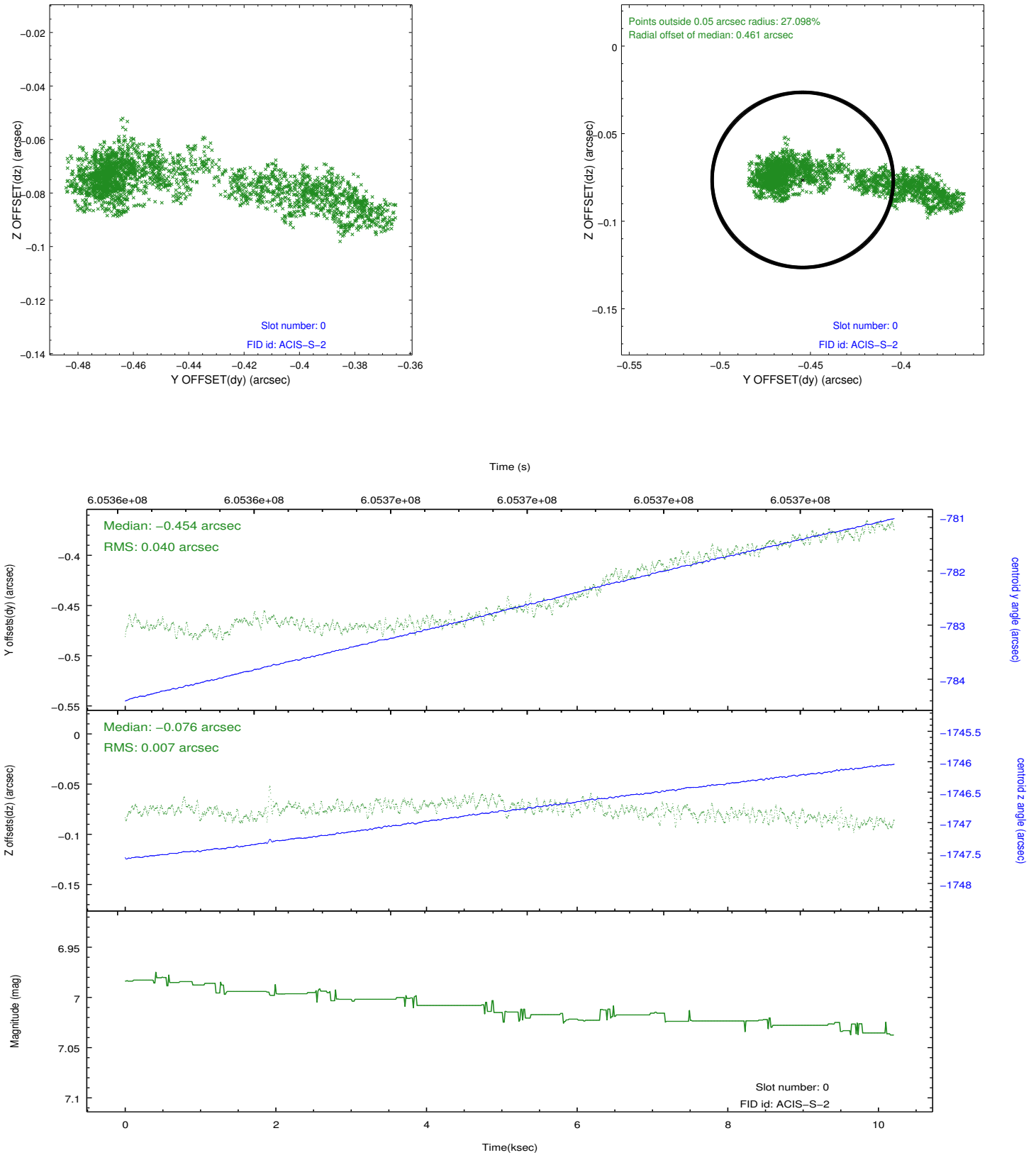


2.4.5 Slot 7

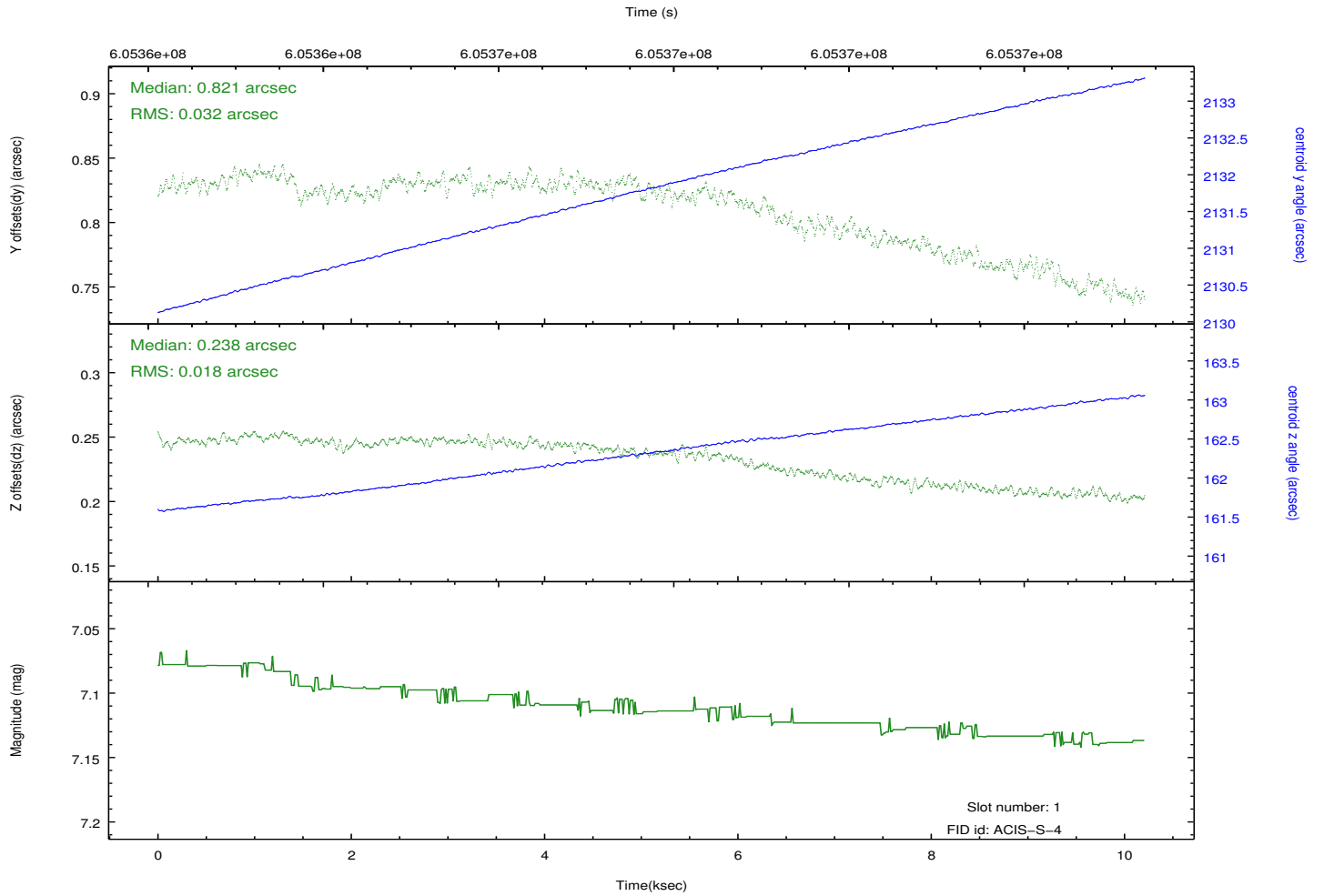
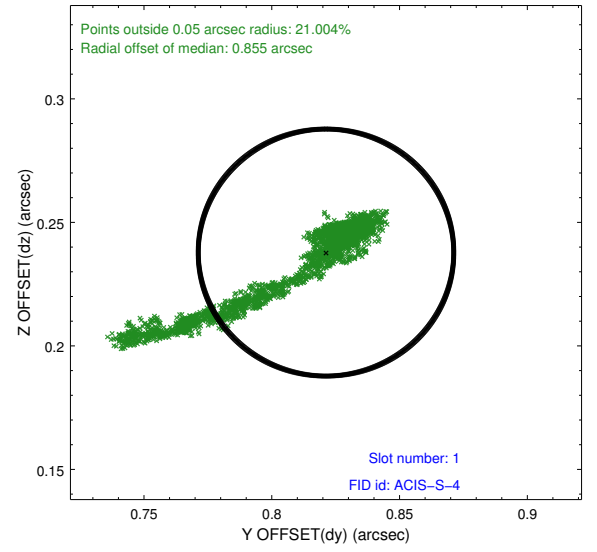
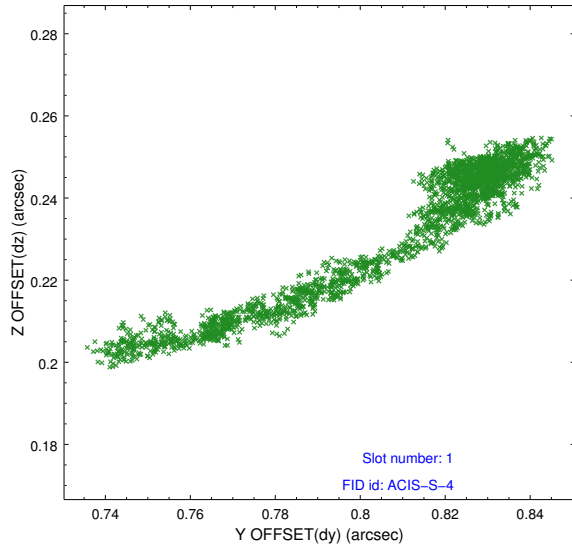


2.5 FID Slots

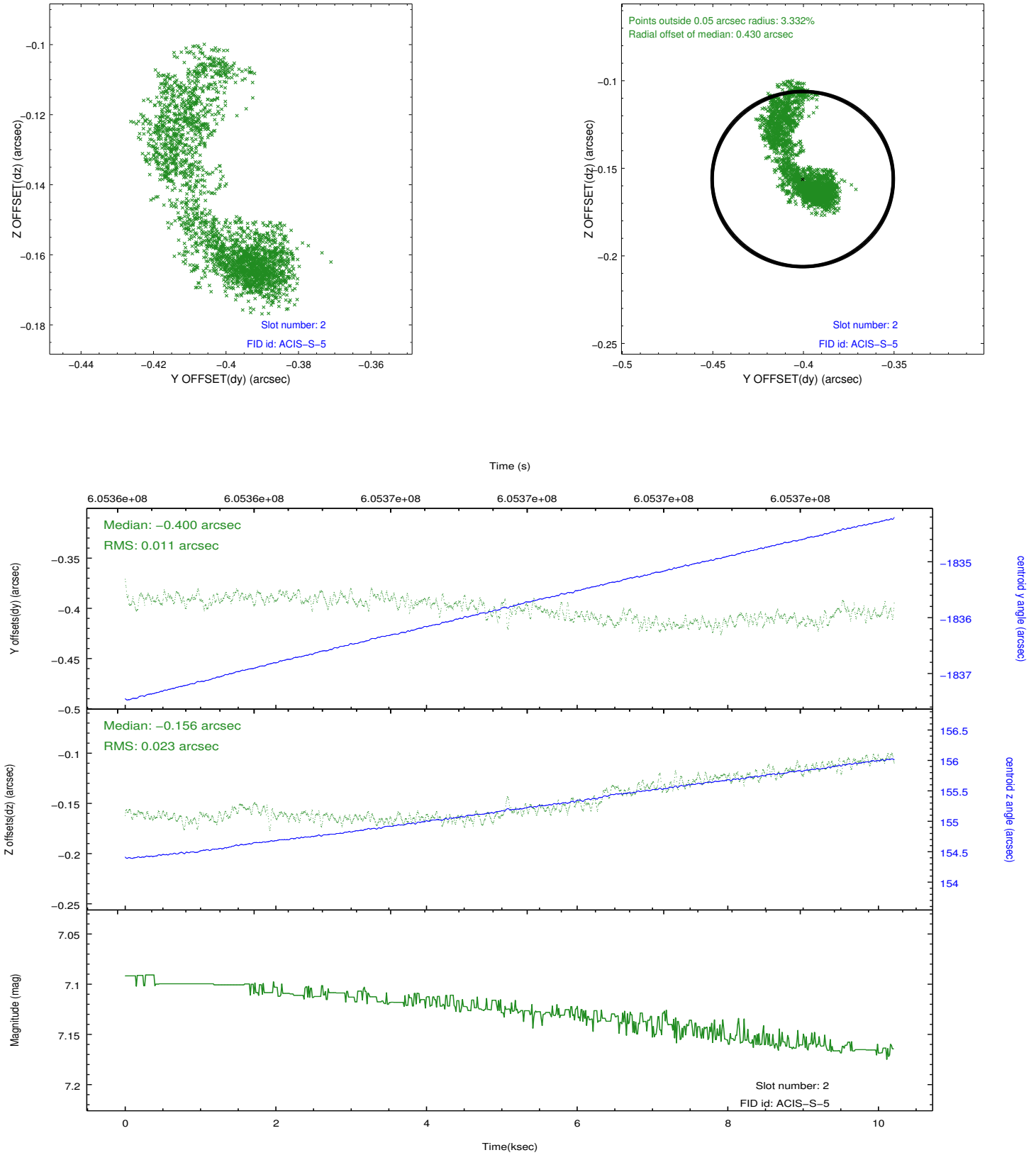
2.5.1 Slot 0



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)	2017.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.06260007751

A.2 Comments

Two optional chips were dropped.