

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21182 - L2 Version 1
Chandra X-Ray Center

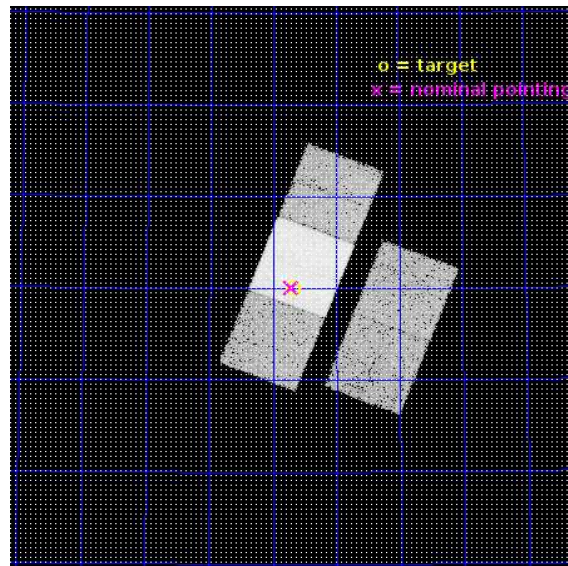
L2 Processing Date : Jun 3 2019

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1 Front

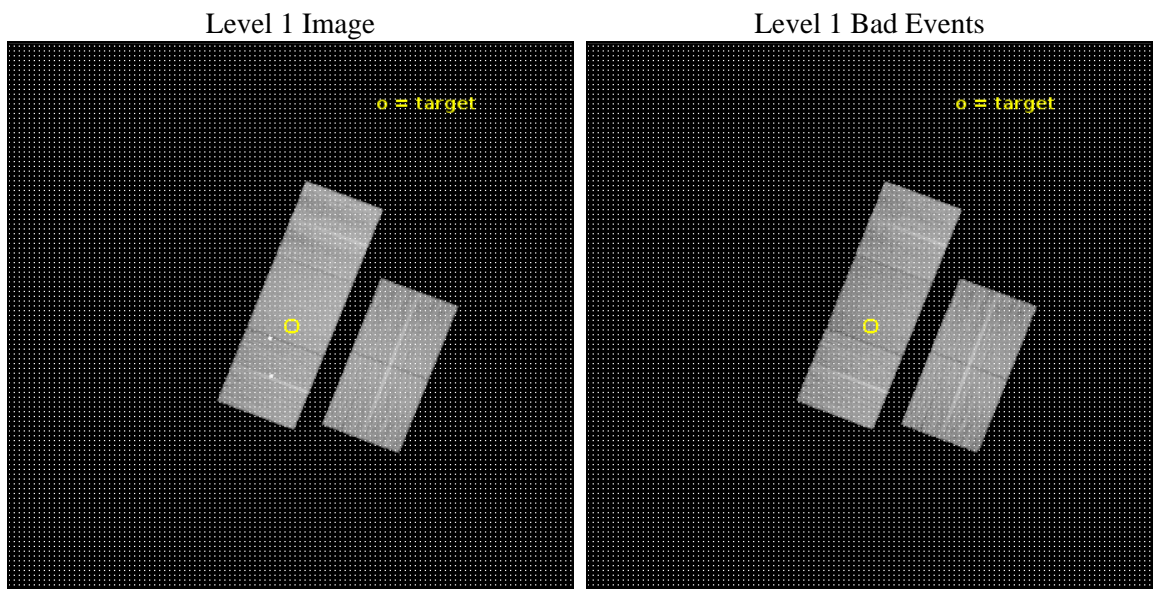
seq_num	201236	Sequence number
obs_id	21182	Observation id
title	GRB150314A: the first GRB hosted by an AGN or New GRB Physics?	Pro
observer	Tuomas Kangas	Principal investigator
object	GRB 150314A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	126.670833	Observer's specified target RA [deg]
dec_targ	63.83425	Observer's specified target Dec [deg]
ra_nom	126.67718047801	Nominal RA [deg]
dec_nom	63.834941952997	Nominal Dec [deg]
roll_nom	291.19446597558	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19951.600153565	Sum of GTIs [s]
livetime	19690.917809405	Livetime [s]
ontime2	19951.600153565	Sum of GTIs [s]
ontime3	19951.600153565	Sum of GTIs [s]
ontime6	19951.600153565	Sum of GTIs [s]
ontime7	19951.600153565	Sum of GTIs [s]
ontime8	19951.600153565	Sum of GTIs [s]
l2events	140732	Number of level 2 events



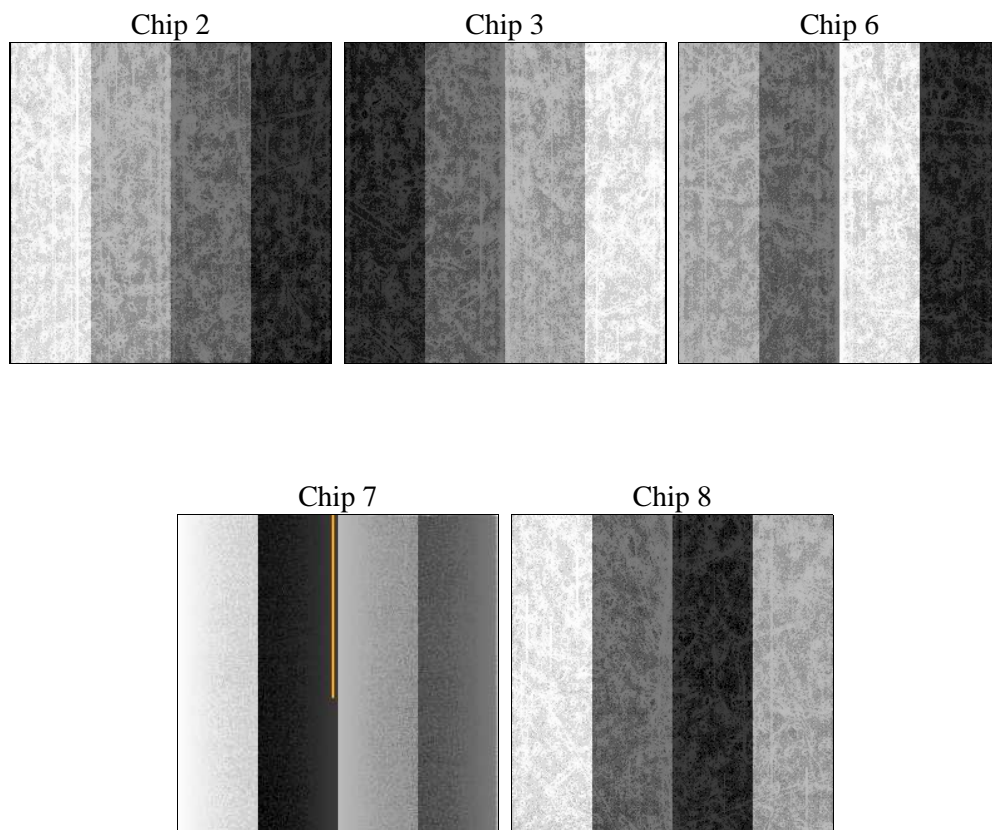
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19900.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	19951.600153565	Sum of GTIs [s]
caldbver	4.8.3	 	ontime2	19951.600153565	Sum of GTIs [s]
date	2019-06-03T13:15:43	Date and time of file creation	ontime3	19951.600153565	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	19951.600153565	Sum of GTIs [s]
			ontime7	19951.600153565	Sum of GTIs [s]
			ontime8	19951.600153565	Sum of GTIs [s]
			l1events	881796	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	156856	151201	176335	196322	201082
rejected events	140913	135564	146938	112584	147045
rejected %	89%	89%	83%	57%	73%

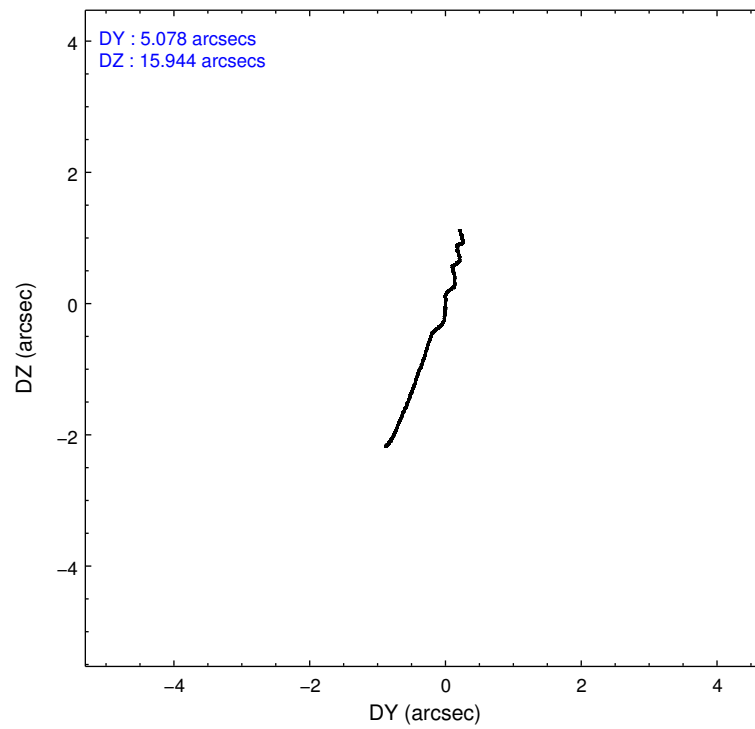
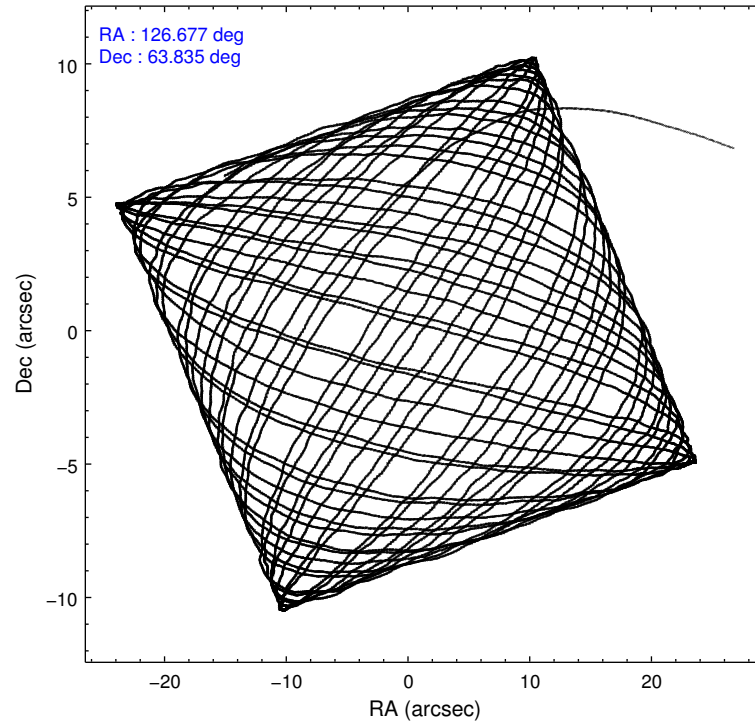
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	5578	5546	17315	6726	15090
	3%	3%	9%	3%	7%
grade 1 events	65	89	147	285	173
	0%	0%	0%	0%	0%
grade 2 events	3871	3379	4479	17814	13190
	2%	2%	2%	9%	6%
grade 3 events	1560	1637	1598	6361	5639
	0%	1%	0%	3%	2%
grade 4 events	1719	1607	1483	6271	5134
	1%	1%	0%	3%	2%
grade 5 events	5730	6818	6900	18997	10561
	3%	4%	3%	9%	5%
grade 6 events	3223	3473	4529	46587	14996
	2%	2%	2%	23%	7%
grade 7 events	135110	128652	139884	93281	136299
	86%	85%	79%	47%	67%

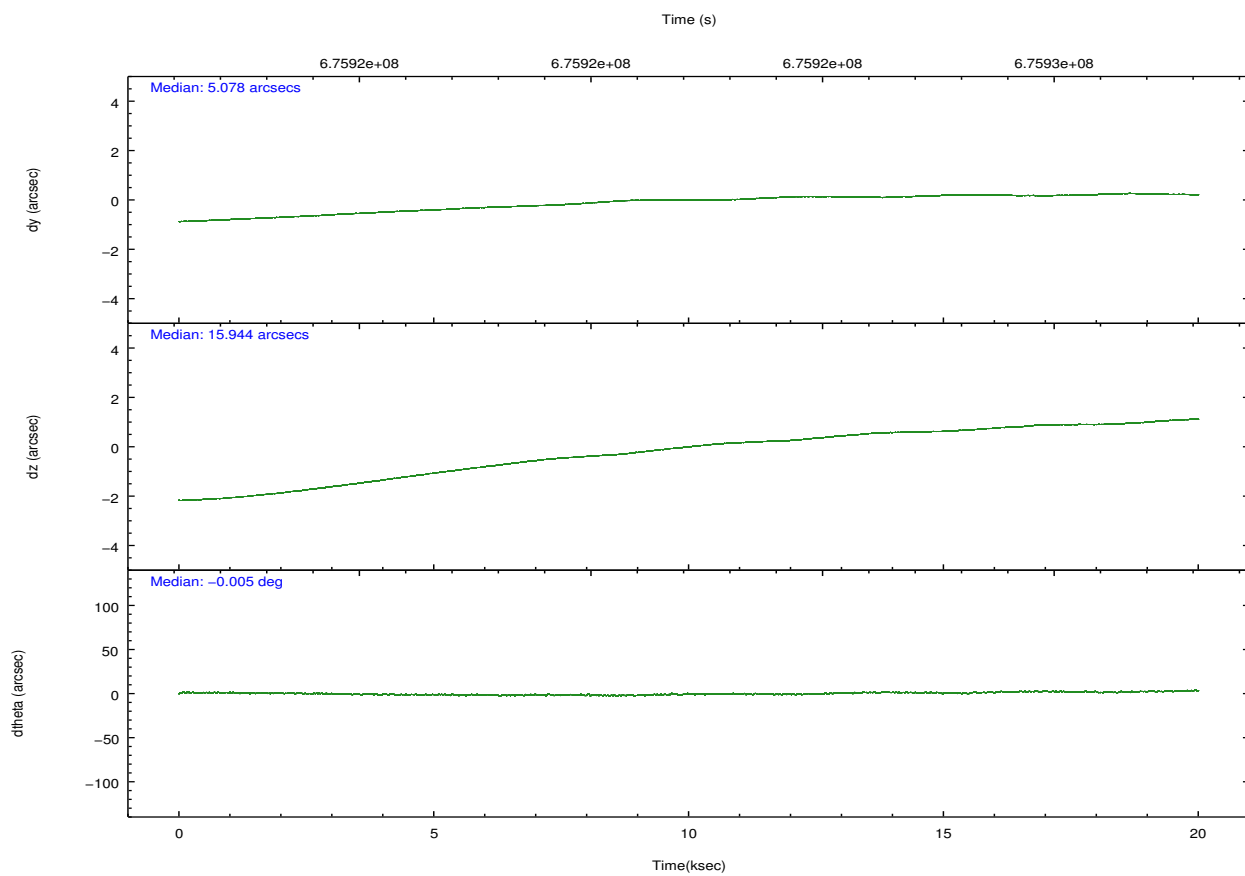
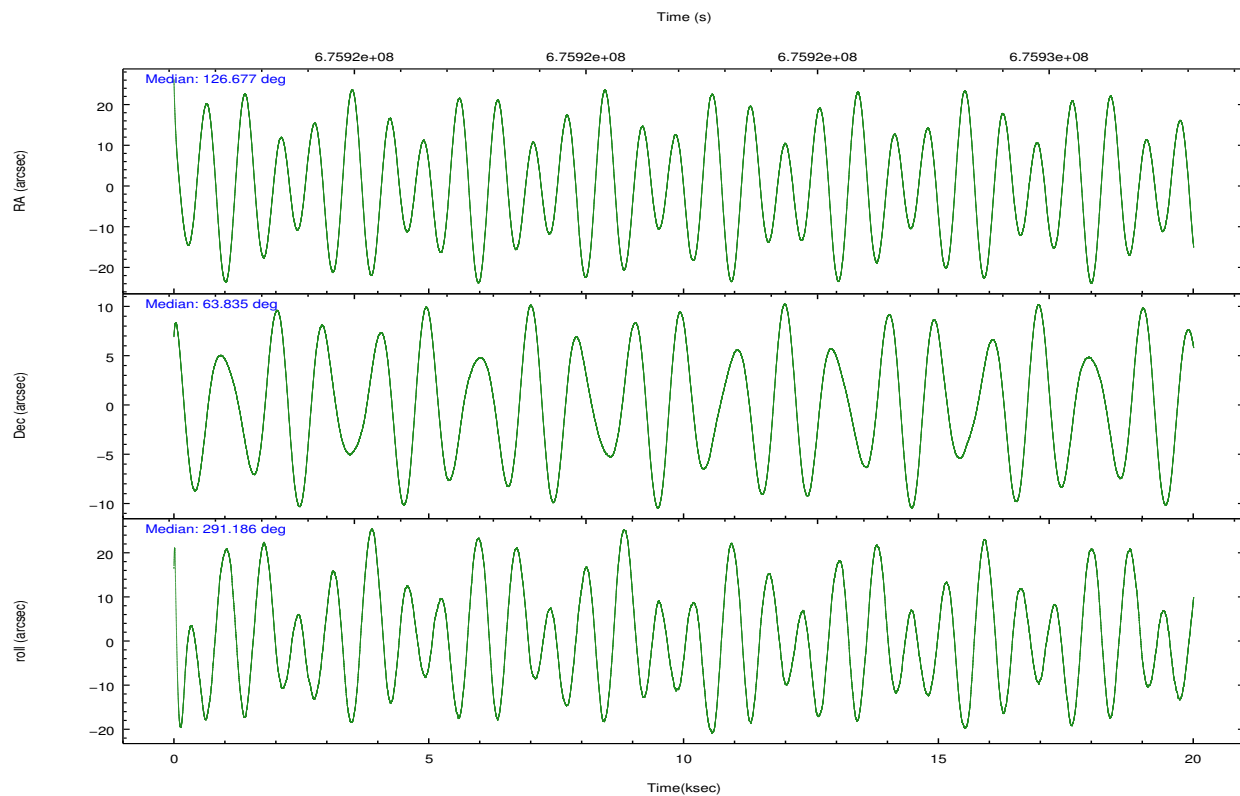
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	126.628119	126.677180478013
[deg] Pointing Dec	63.851842	63.83494195299667
[deg] Pointing Roll	291.081833	291.1944659755752
[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)	675912244.184000	675910951.75309
Observation start date	2019-06-03T01:22:55	2019-06-03T01:02:31
[s] Observation end time (MET)	675932144.184000	675932761.7043999
Observation end date	2019-06-03T06:54:35	2019-06-03T07:06:01
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	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
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	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



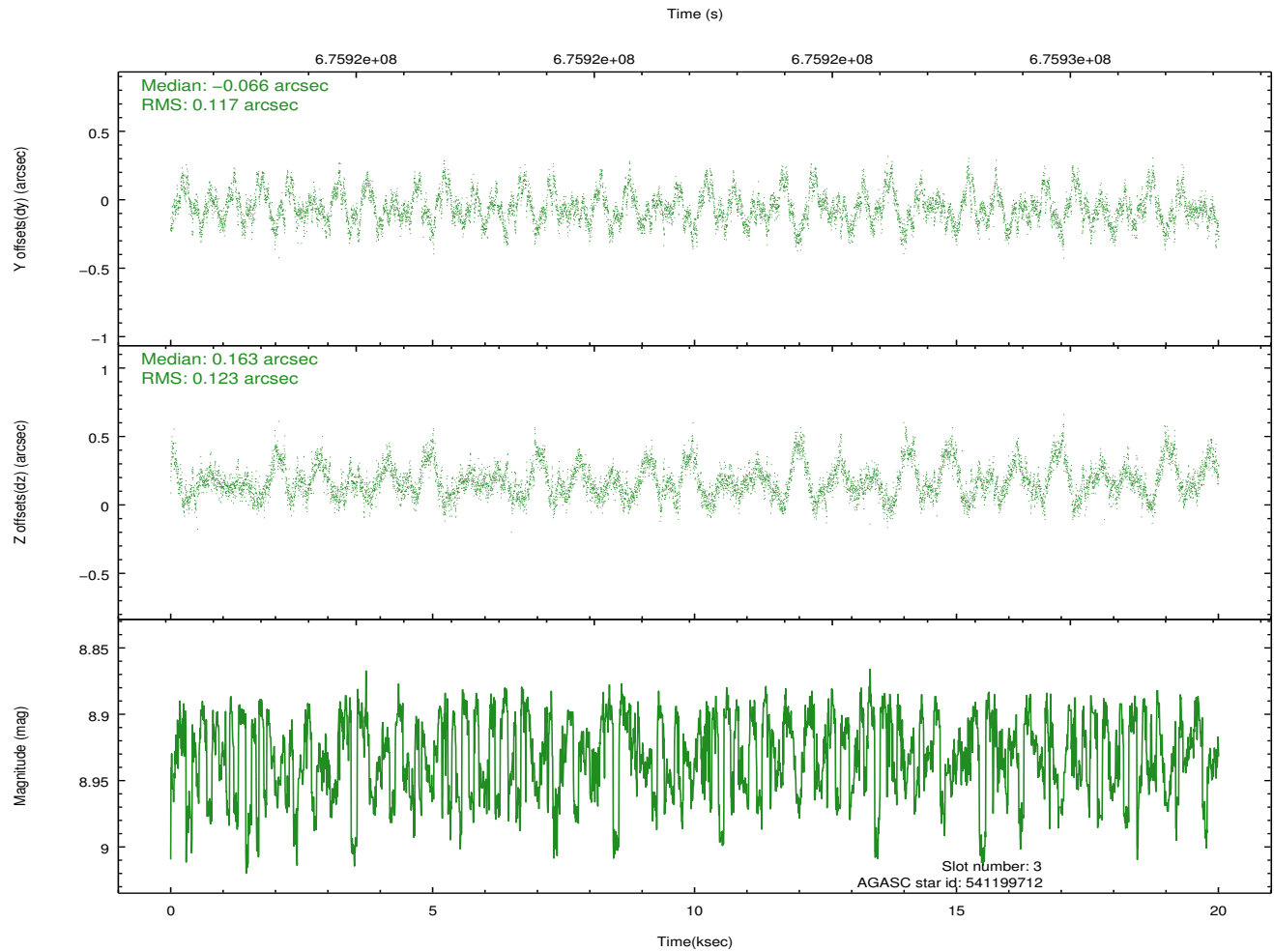
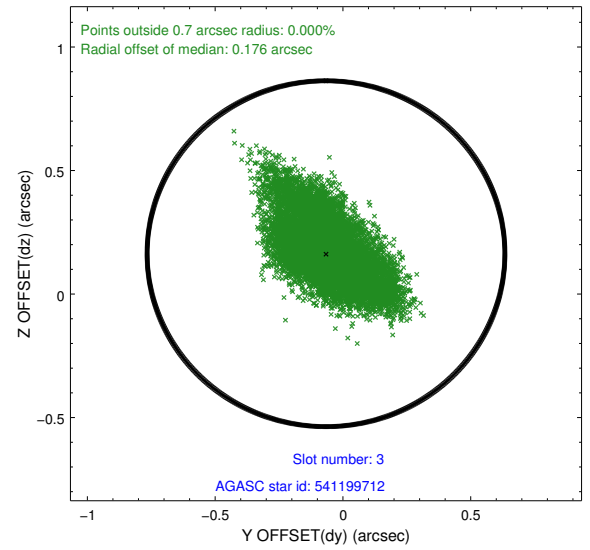
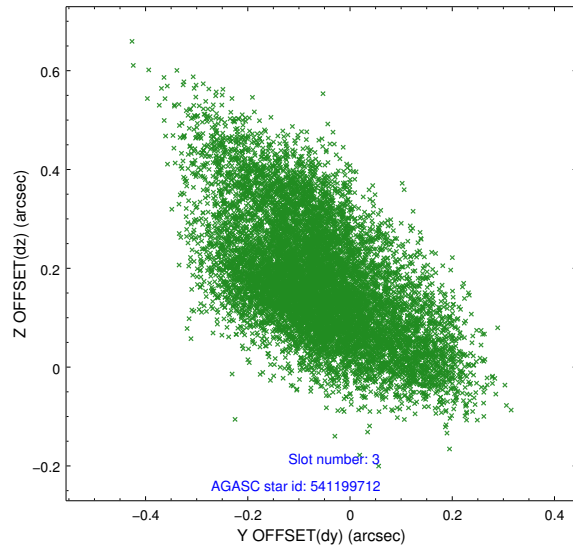


Slot Statistics

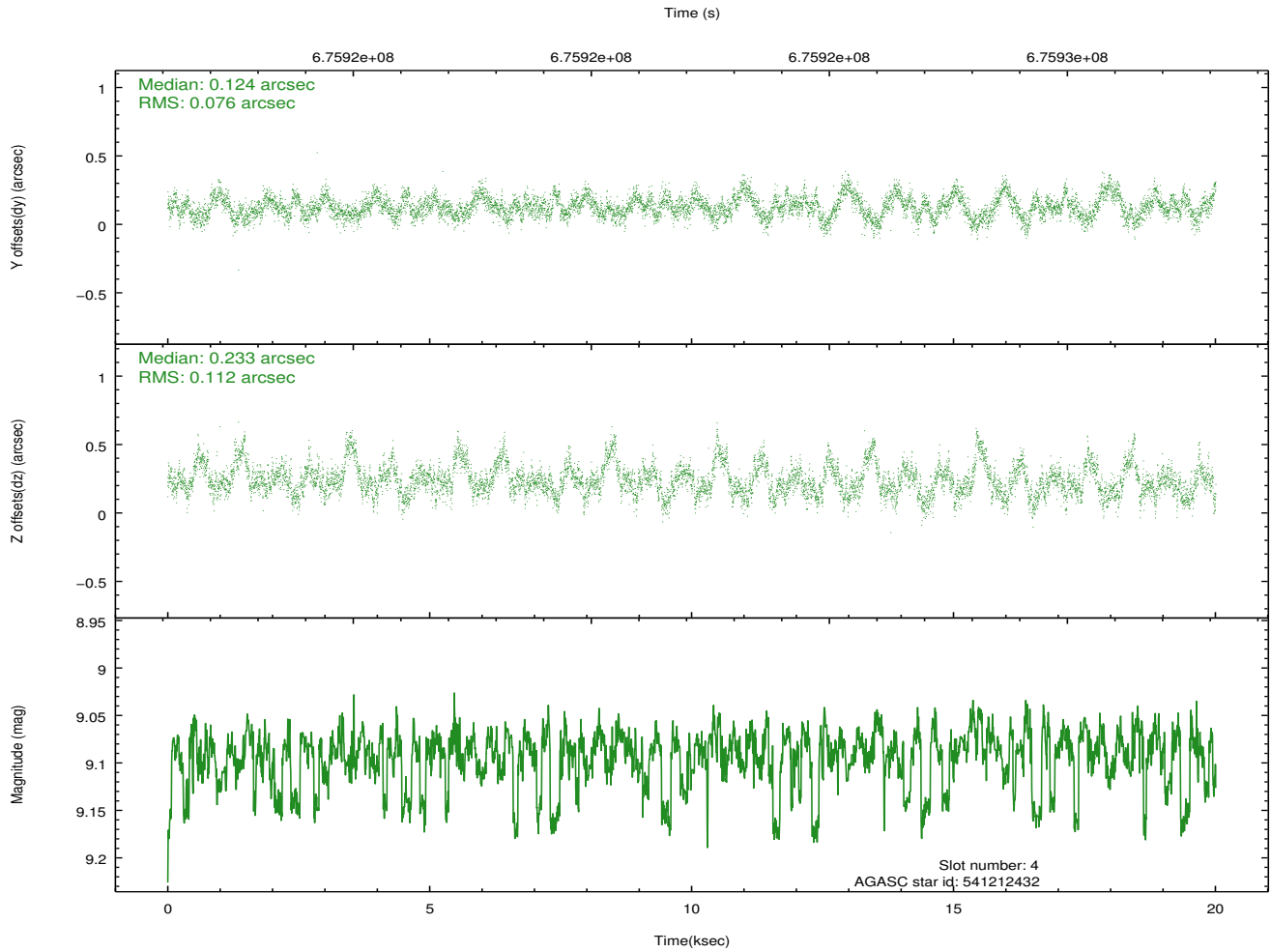
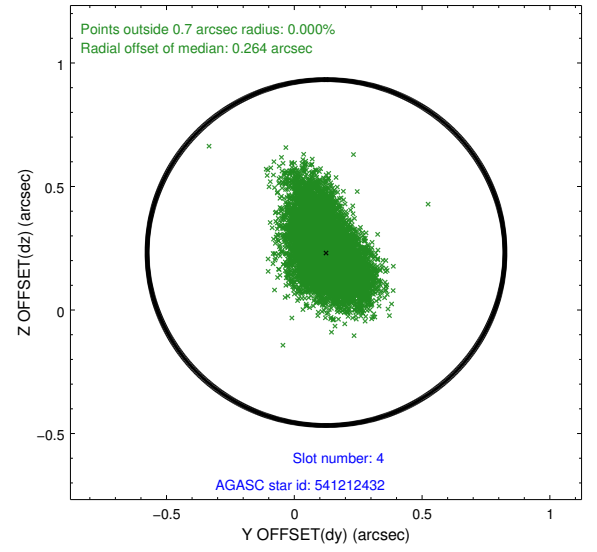
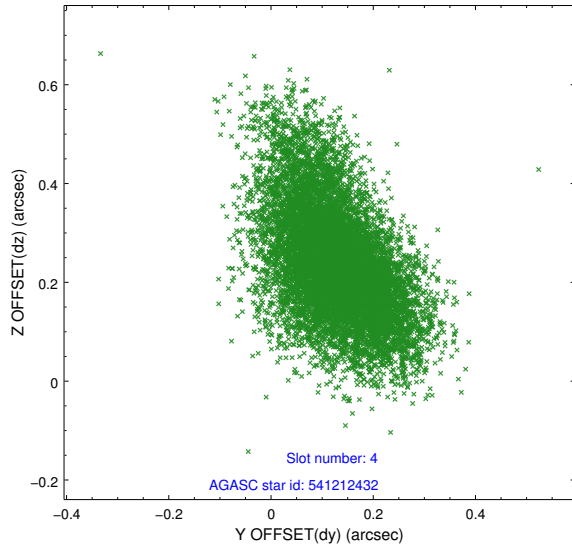
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.07	4881	1.000	-0.267	-0.083	0.020	0.037	0.000000	0.000000	-757.88	-1737
1	FID		ACIS-S-4	7.20	4881	1.000	0.550	0.152	0.016	0.024	0.000000	0.000000	2156.10	171
2	FID		ACIS-S-5	7.19	4881	1.000	-0.311	-0.059	0.021	0.042	0.000000	0.000000	-1810.56	164
3	GUIDE	used	541199712	8.93	9745	1.000	-0.066	0.163	0.176	0.306	125.630285	63.310683	1226.87	-2201
4	GUIDE	used	541212432	9.09	9744	1.000	0.124	0.233	0.139	0.247	125.331076	63.704075	-266.05	-2113
5	GUIDE	used	541338376	8.42	9751	1.000	0.143	0.081	0.096	0.152	127.062635	63.943055	-60.76	759
6	GUIDE	used	541341440	8.85	9748	1.000	-0.079	-0.247	0.098	0.164	128.154915	63.586314	1745.86	1948
7	GUIDE	used	541331904	9.20	9750	1.000	-0.129	-0.252	0.180	0.315	128.068247	63.878961	706.24	2174

2.4 Star Slots

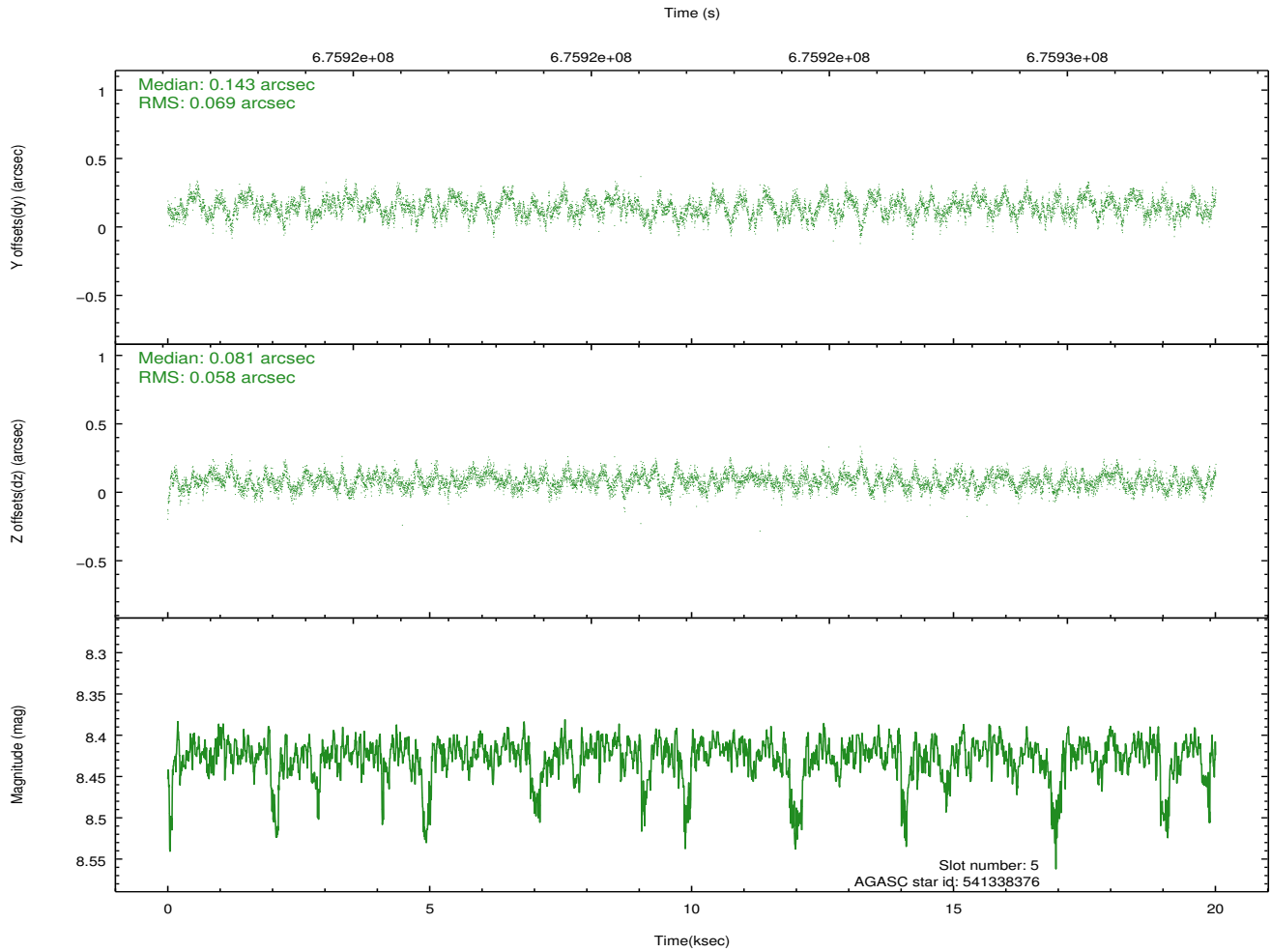
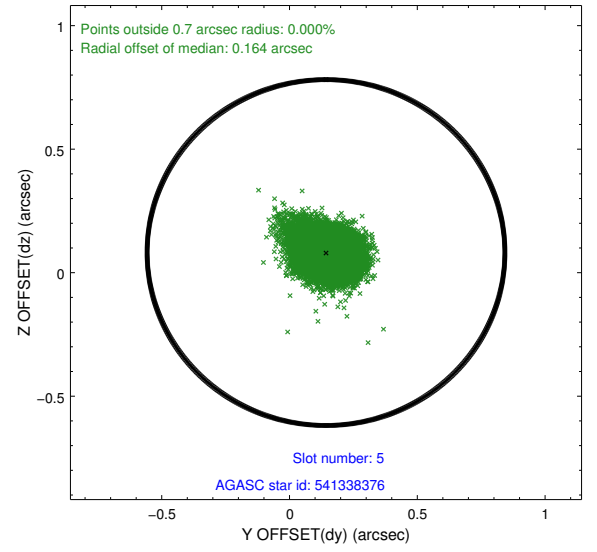
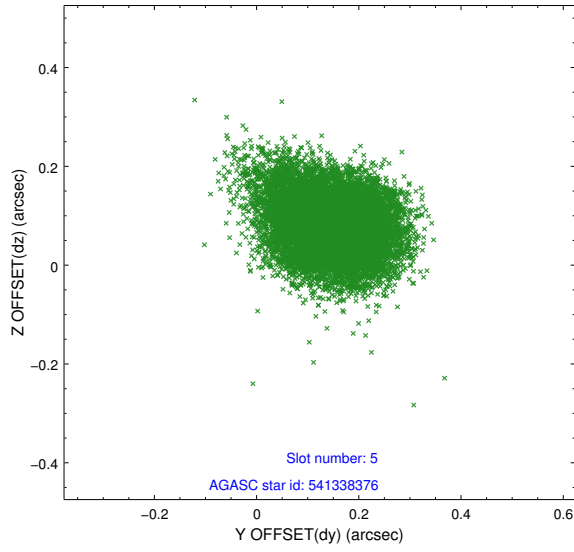
2.4.1 Slot 3



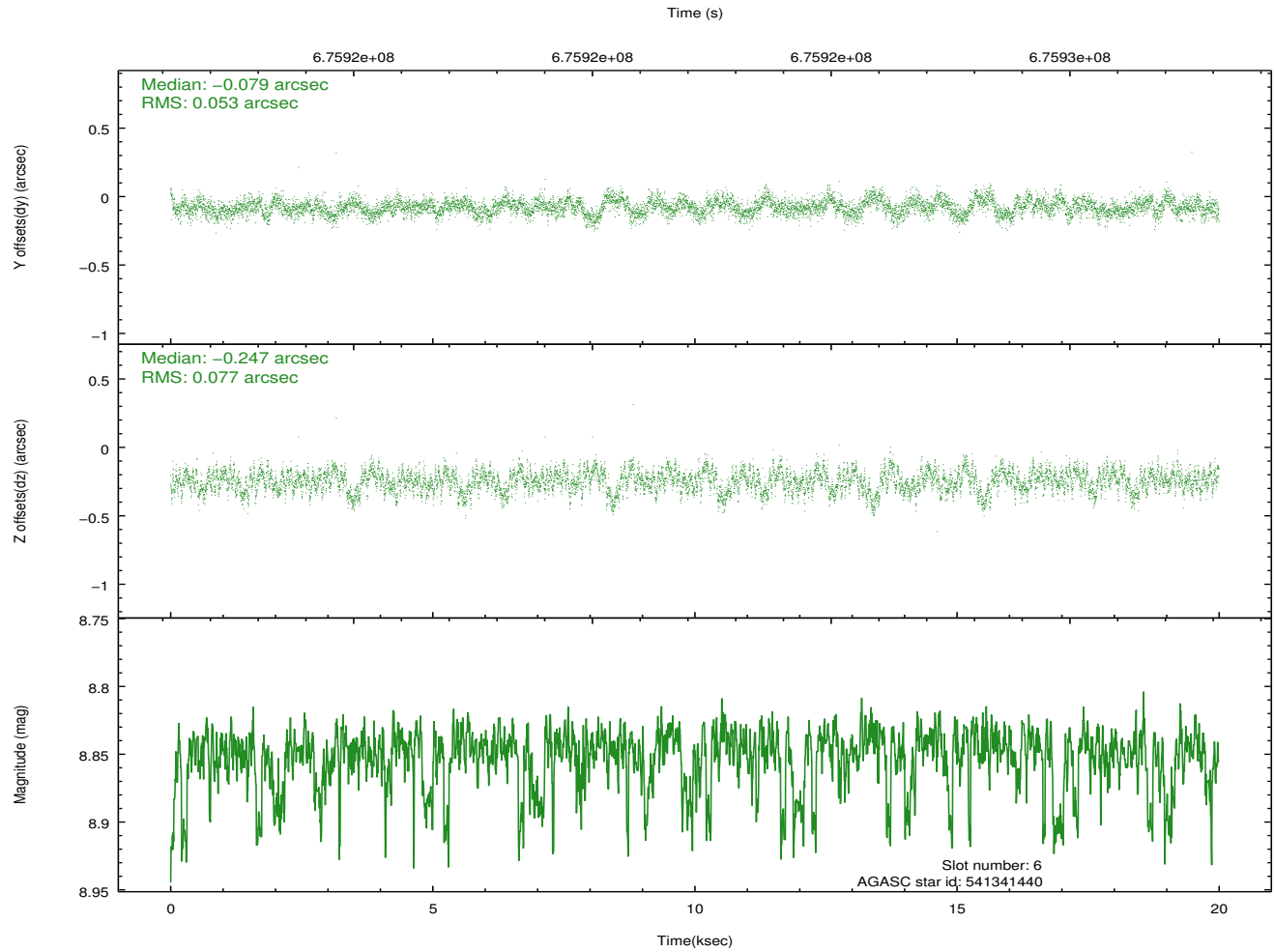
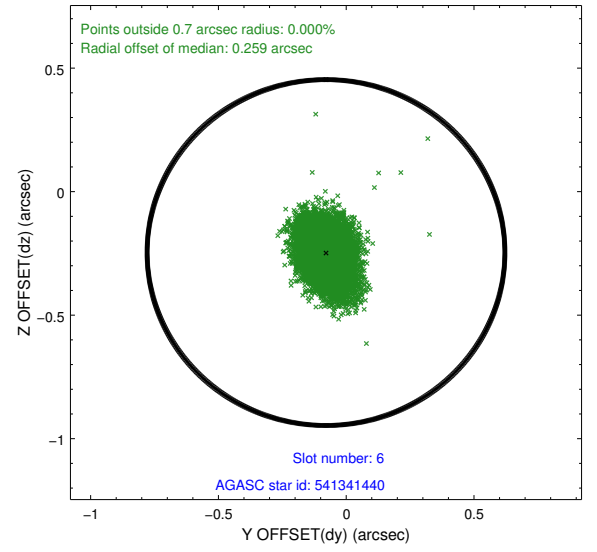
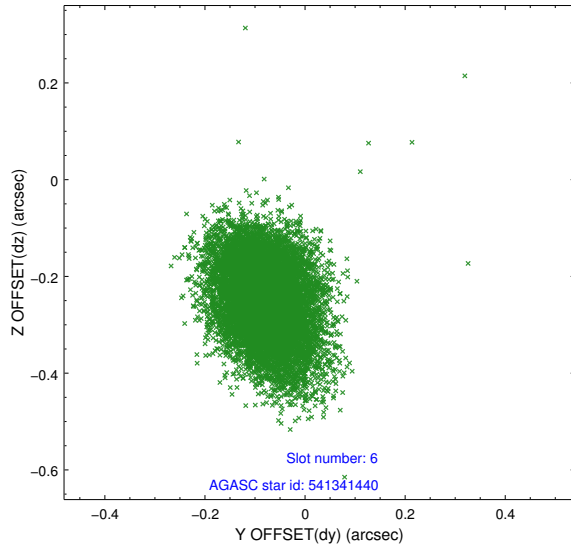
2.4.2 Slot 4



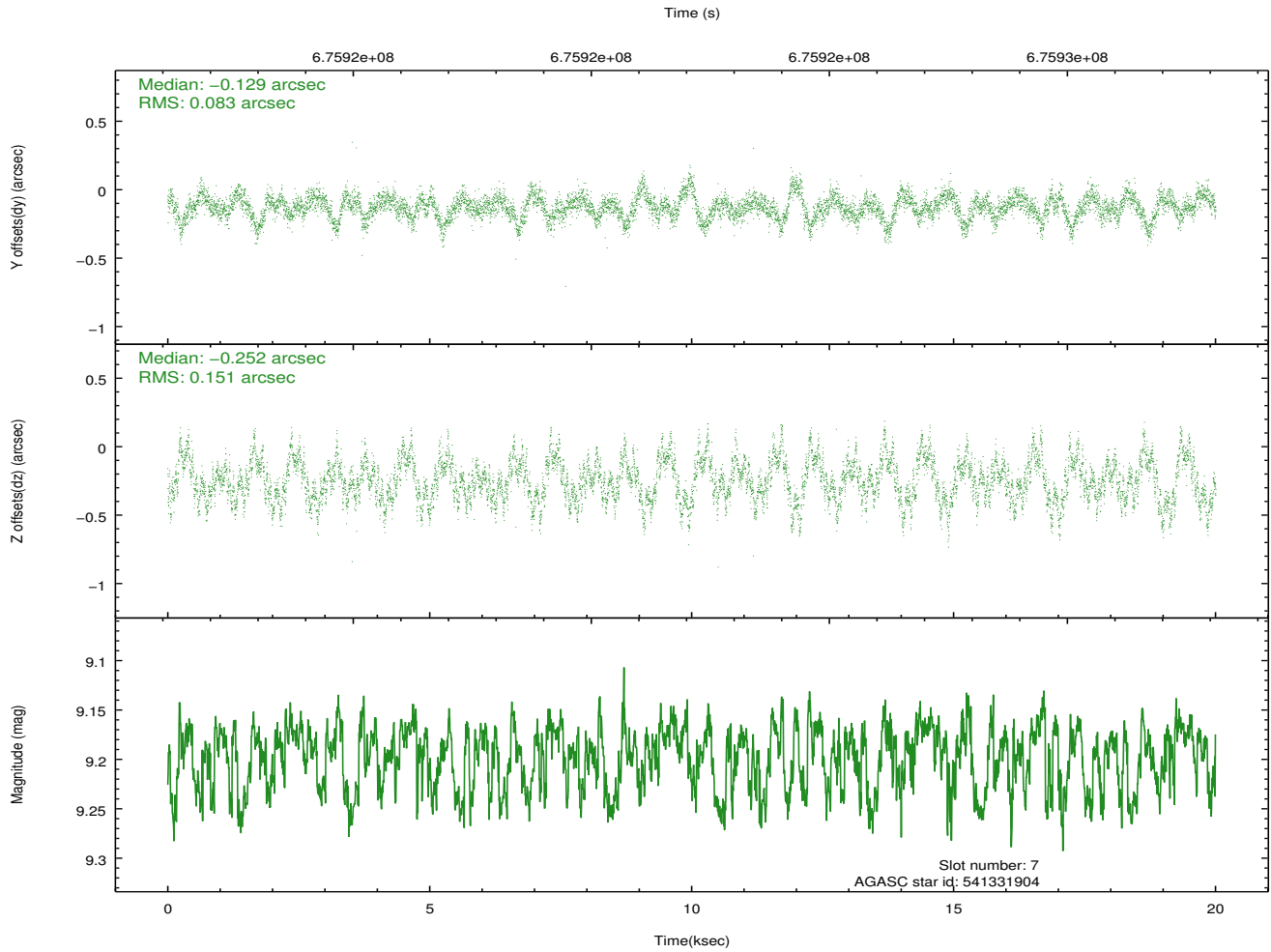
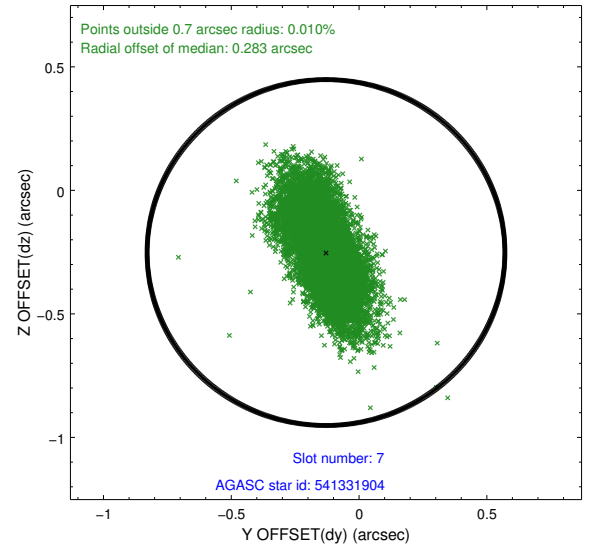
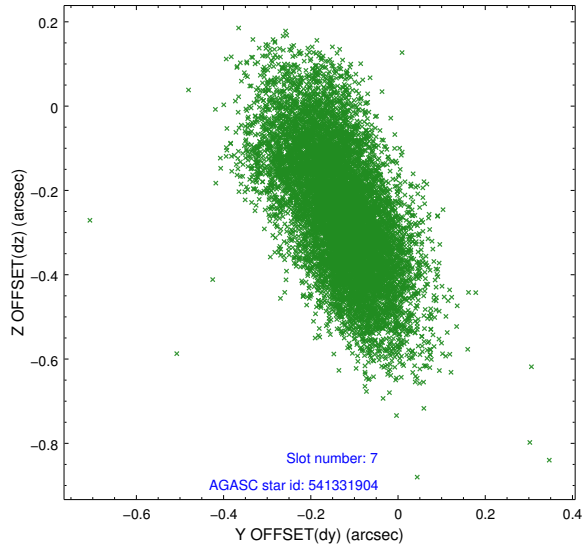
2.4.3 Slot 5



2.4.4 Slot 6

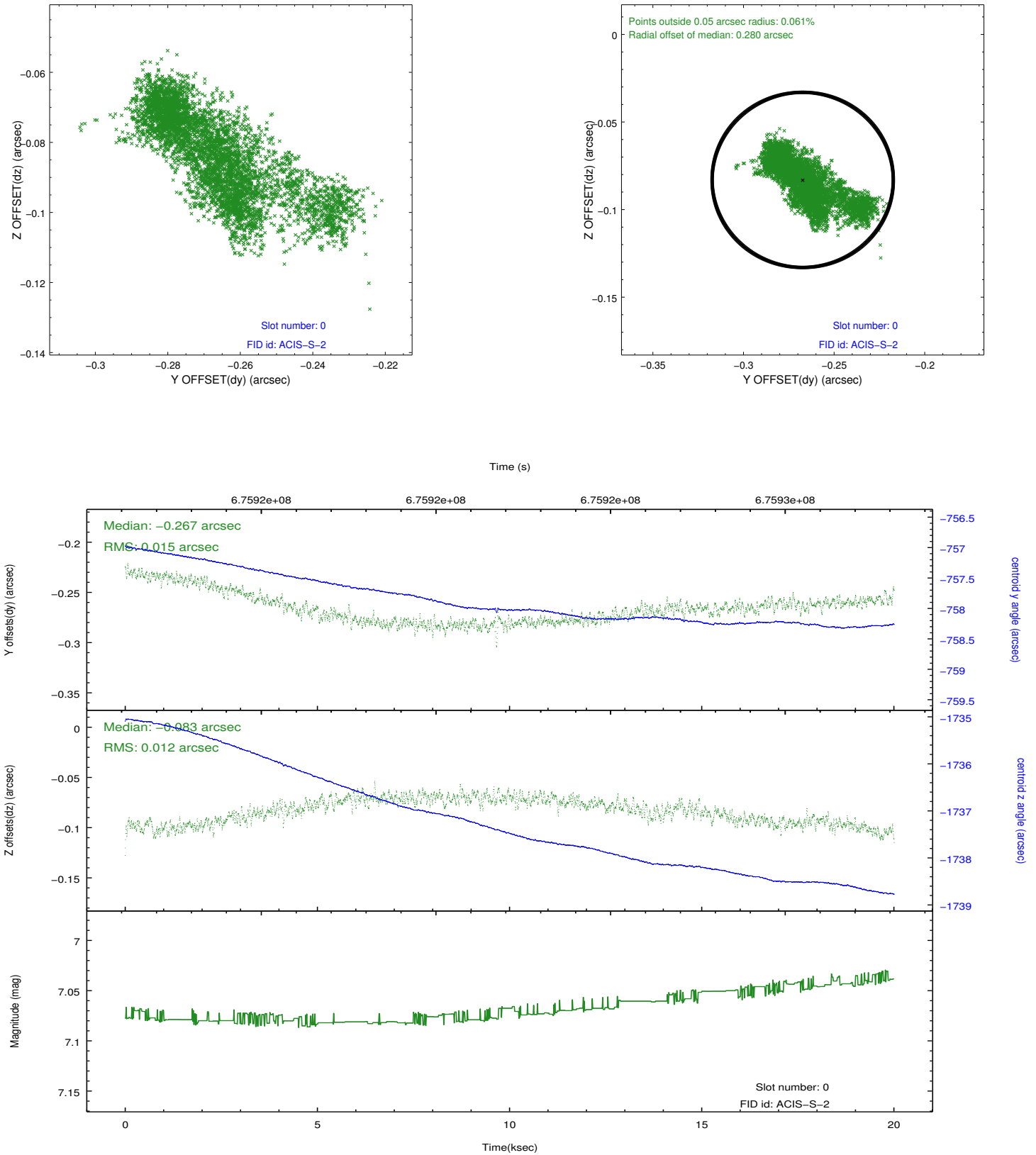


2.4.5 Slot 7

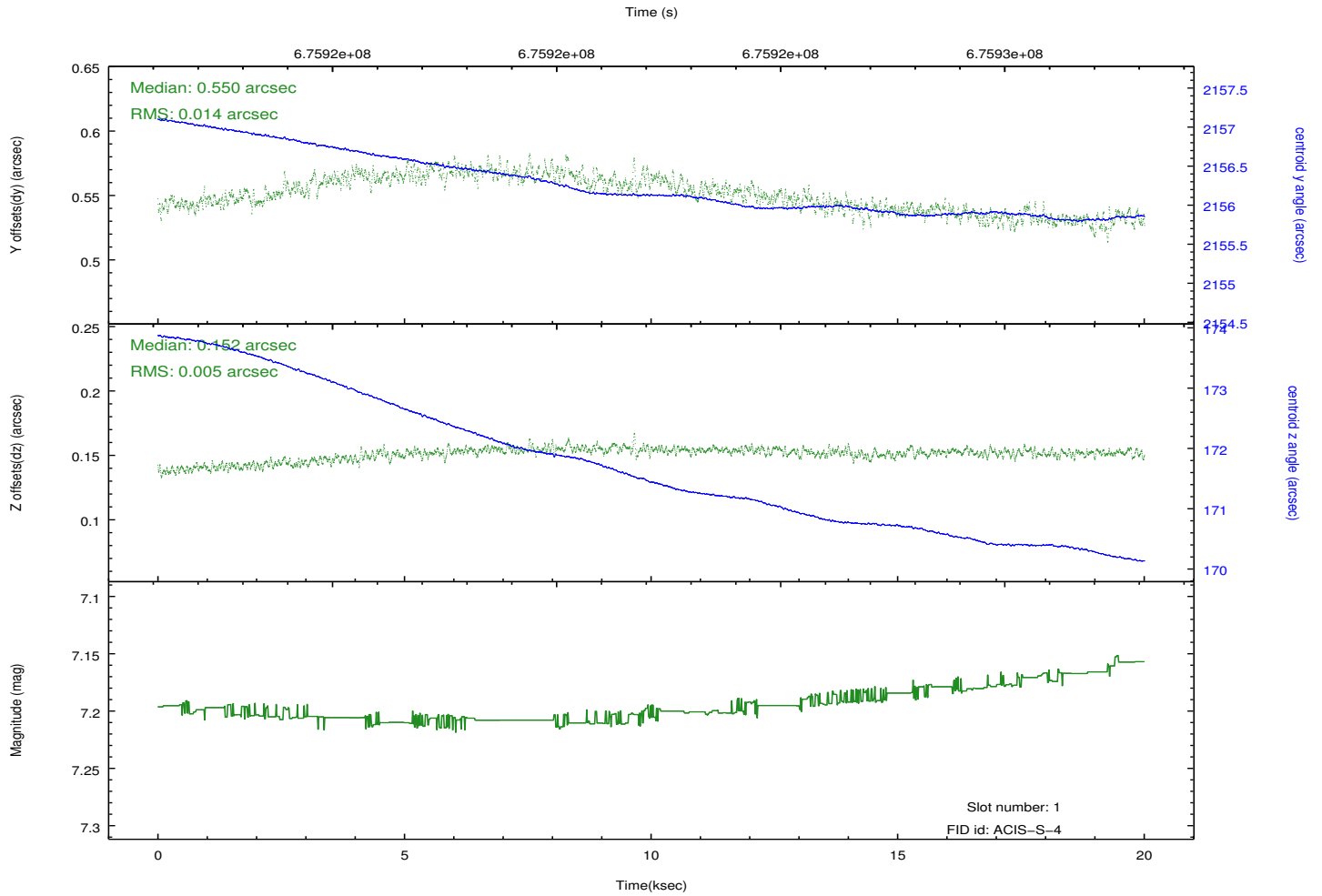
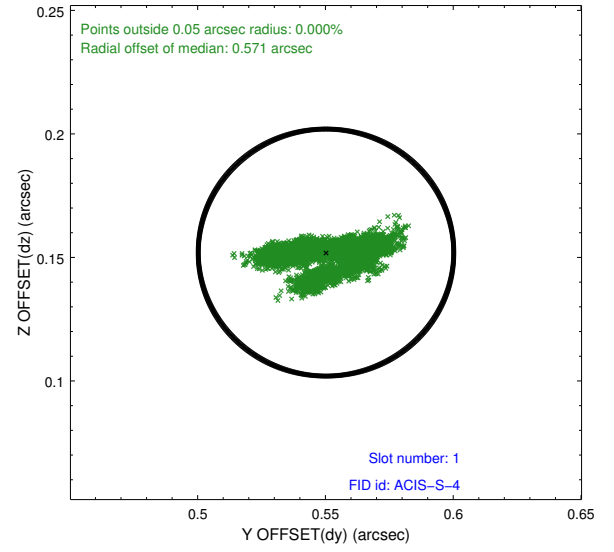
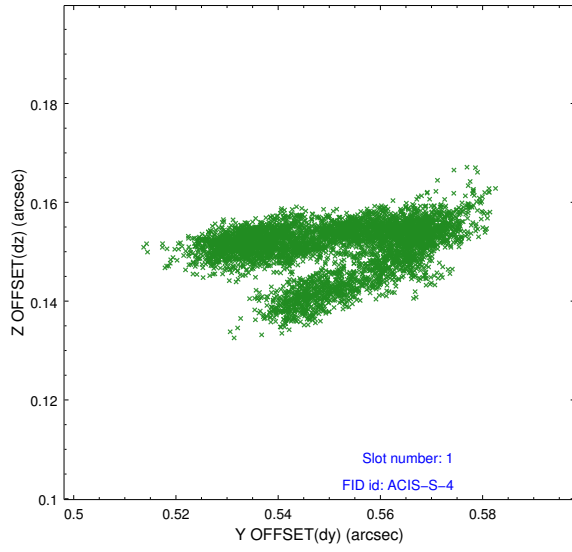


2.5 FID Slots

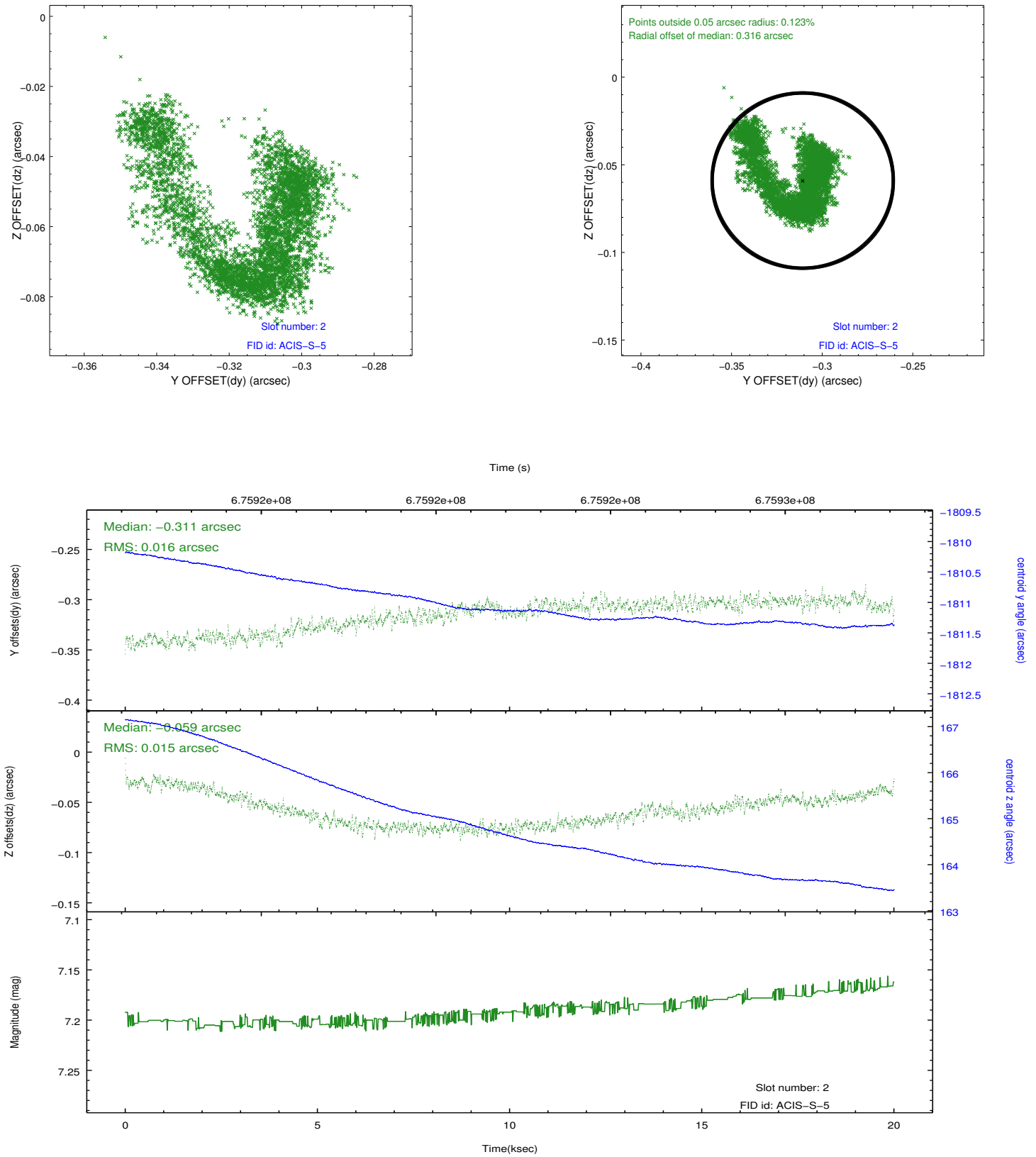
2.5.1 Slot 0



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)	2019.06.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.951600153565

A.2 Comments