

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18639 - L2 Version 1
Chandra X-Ray Center

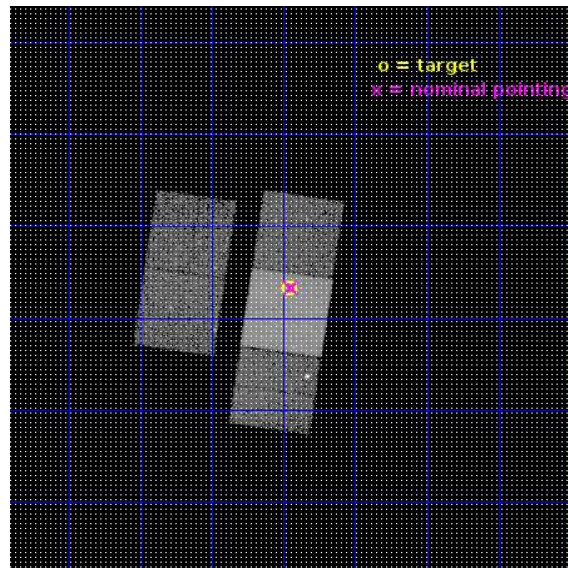
L2 Processing Date : Sep 10 2016

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1 Front

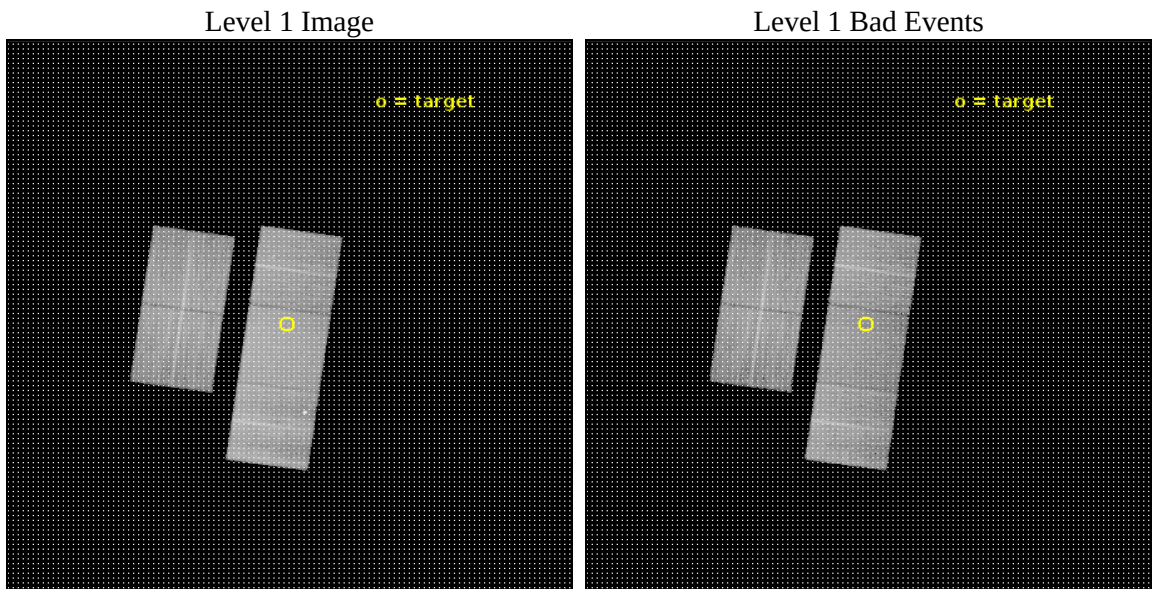
seq_num	703294	Sequence number
obs_id	18639	Observation id
title	CONSTRAINING THE LATE TIME EVOLUTION OF A TIDAL DISRUPTION FLARE FROM A 1E8 SOLAR MASS BLACK HOLE	Proposal title
observer	Peter Predehl	Principal investigator
object	SDSS J0159+0033	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.99	Observer's specified target RA [deg]
dec_targ	0.552889	Observer's specified target Dec [deg]
ra_nom	29.986282112223	Nominal RA [deg]
dec_nom	0.5549653473173	Nominal Dec [deg]
roll_nom	98.198885546436	Nominal Roll [deg]
revision	1	Processing version of data
ontime	21035.923112631	Sum of GTIs [s]
livetime	20761.073290743	Livetime [s]
ontime2	21032.61788249	Sum of GTIs [s]
ontime3	21032.699952602	Sum of GTIs [s]
ontime6	21035.882072687	Sum of GTIs [s]
ontime7	21035.923112631	Sum of GTIs [s]
ontime8	21035.799992681	Sum of GTIs [s]
l2events	131488	Number of level 2 events



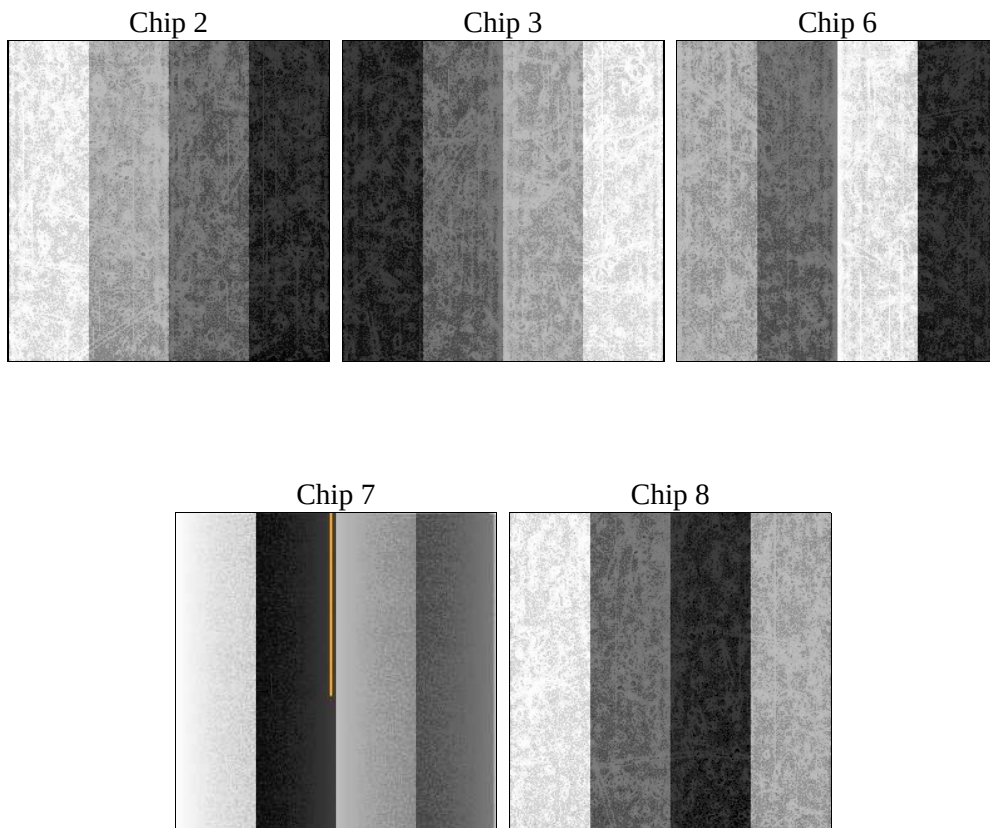
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	21000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	21035.923112631	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	21032.61788249	Sum of GTIs [s]
date	2016-09-10T10:47:53	Date and time of file creation	ontime3	21032.699952602	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	21035.882072687	Sum of GTIs [s]
			ontime7	21035.923112631	Sum of GTIs [s]
			ontime8	21035.799992681	Sum of GTIs [s]
			l1events	759814	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	131573	130540	137943	178380	181378
rejected events	117060	116010	122153	101713	132851
rejected %	88%	88%	88%	57%	73%

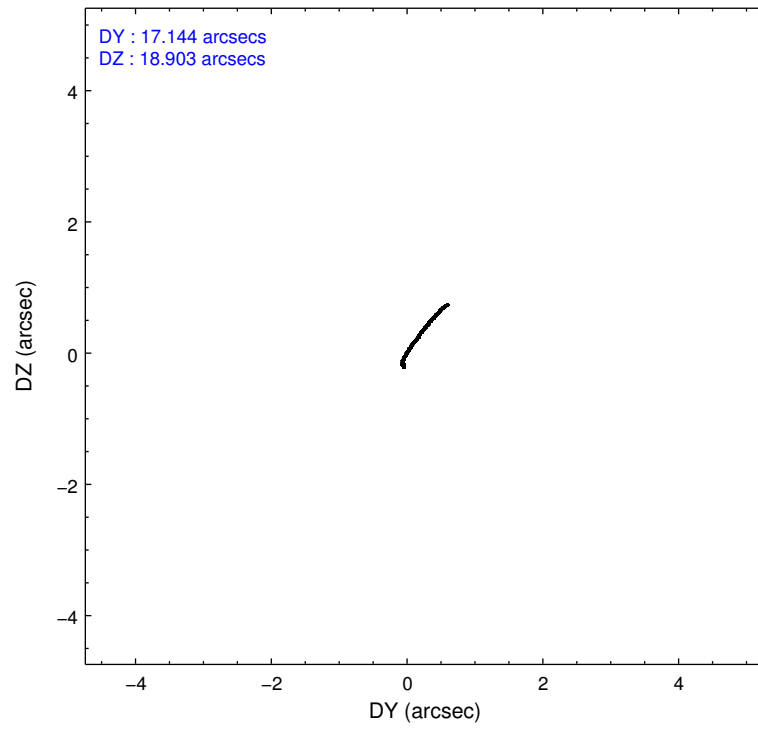
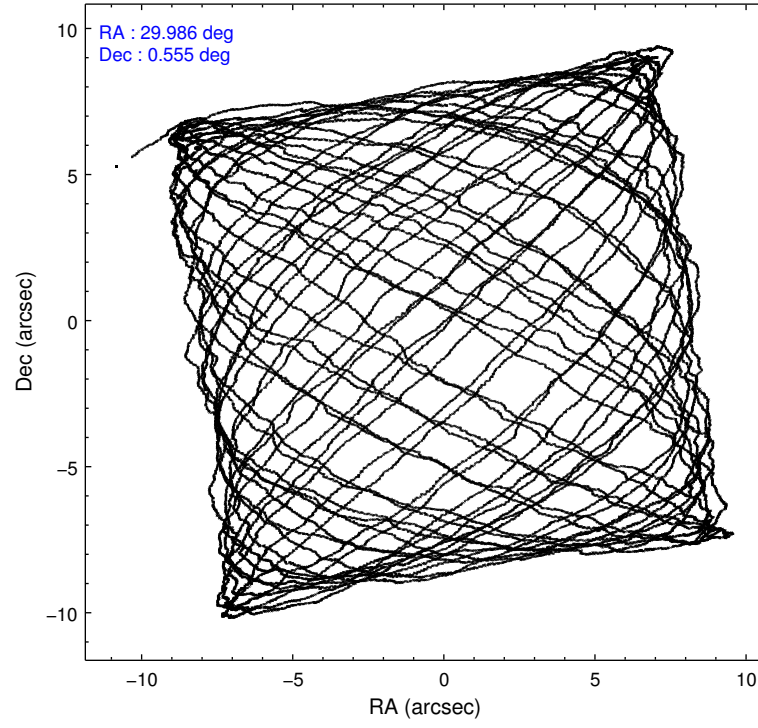
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	5386	5140	5280	6611	15134
	4%	3%	3%	3%	8%
grade 1 events	75	80	72	222	152
	0%	0%	0%	0%	0%
grade 2 events	3400	3258	3712	16035	11526
	2%	2%	2%	8%	6%
grade 3 events	1376	1531	1557	6144	4991
	1%	1%	1%	3%	2%
grade 4 events	1447	1508	1544	6029	4576
	1%	1%	1%	3%	2%
grade 5 events	5377	6615	6780	17602	9838
	4%	5%	4%	9%	5%
grade 6 events	2907	3097	3706	41867	12325
	2%	2%	2%	23%	6%
grade 7 events	111605	109311	115292	83870	122836
	84%	83%	83%	47%	67%

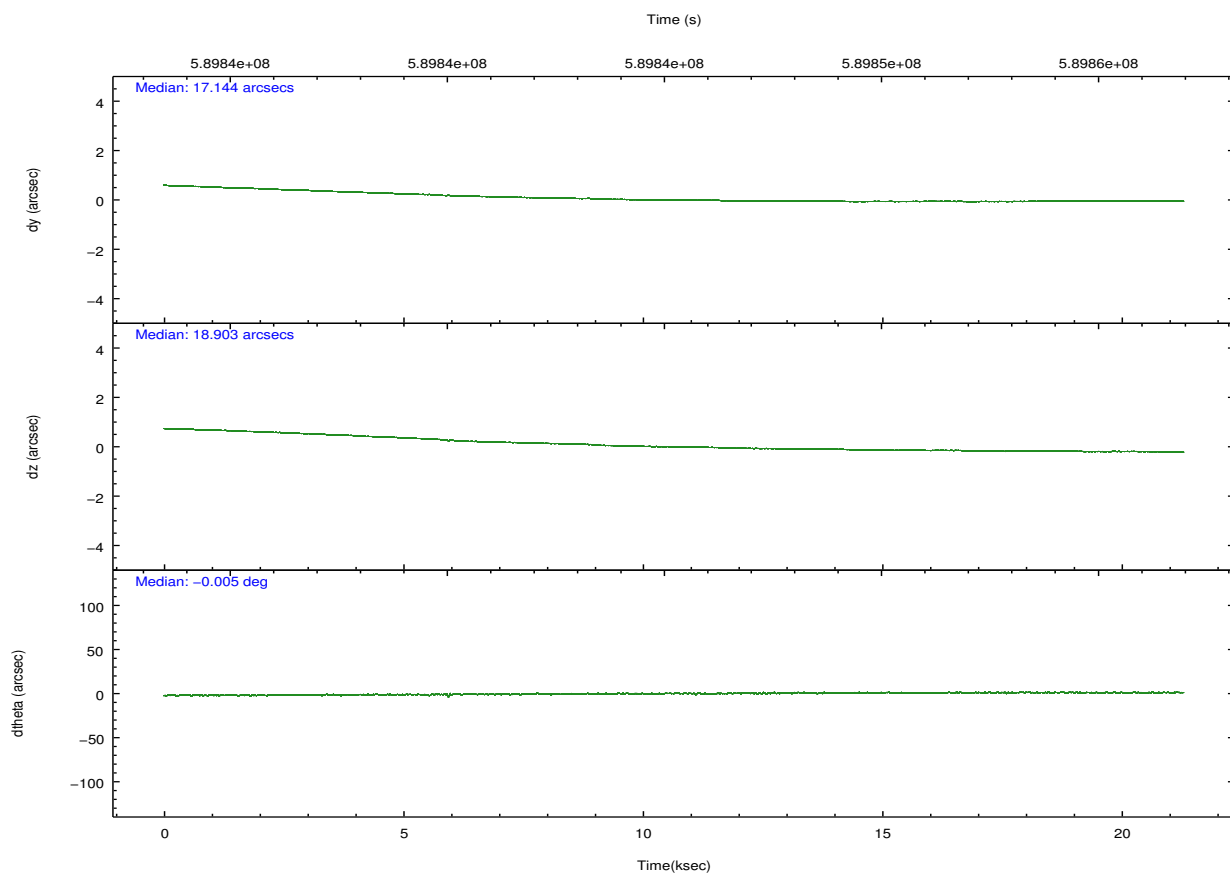
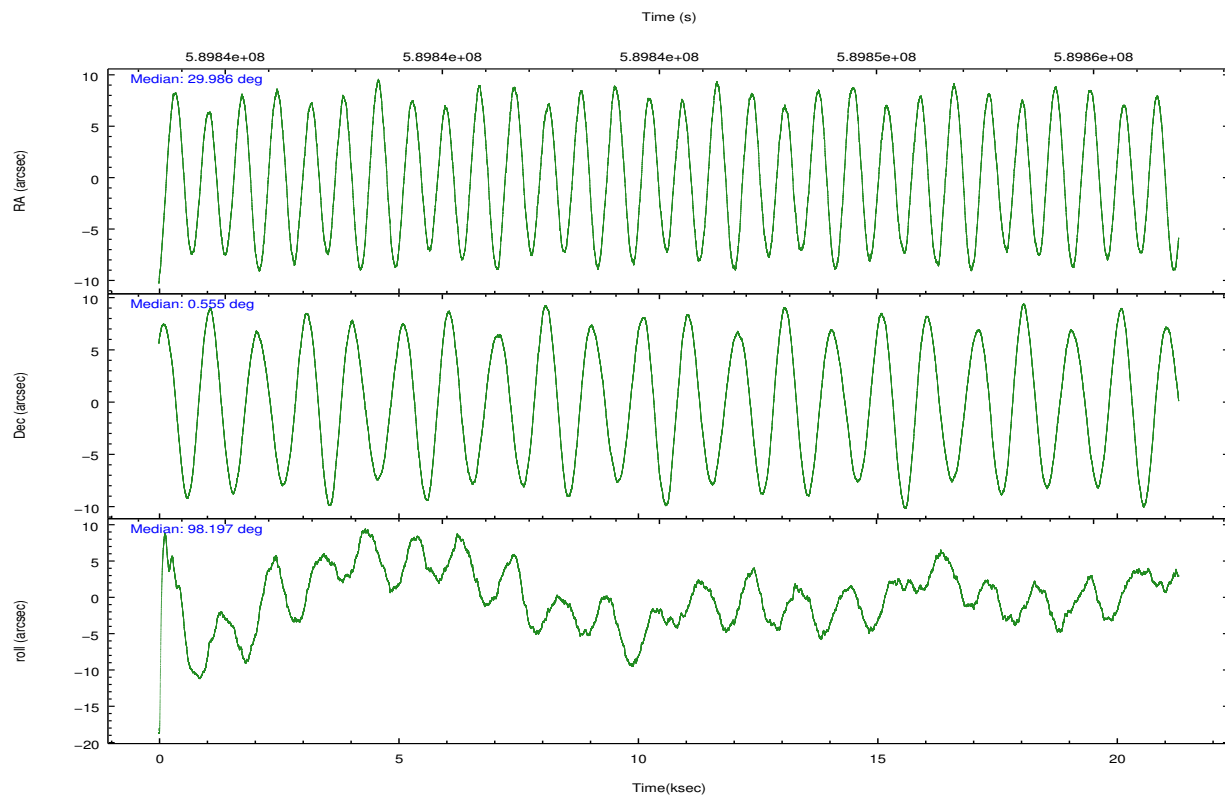
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	30.003560	29.98628211222296
[deg] Pointing Dec	0.533605	0.5549653473172979
[deg] Pointing Roll	98.042097	98.19888554643558
[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)	589834842.184000	589833846.6490099
Observation start date	2016-09-09T18:59:34	2016-09-09T18:44:06
[s] Observation end time (MET)	589855842.184000	589856617.0253201
Observation end date	2016-09-10T00:49:34	2016-09-10T01:03:37
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	O2	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	O3	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



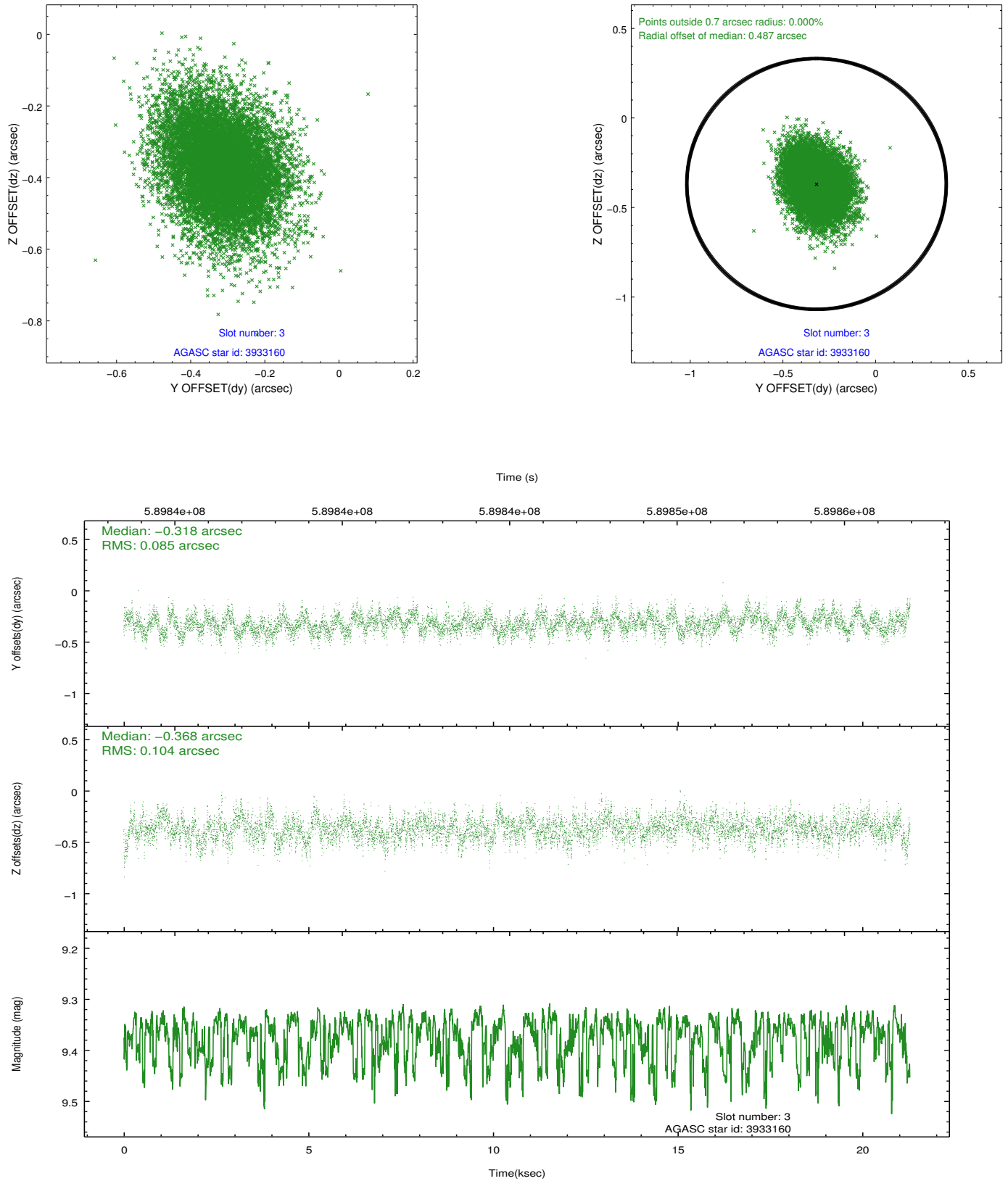


Slot Statistics

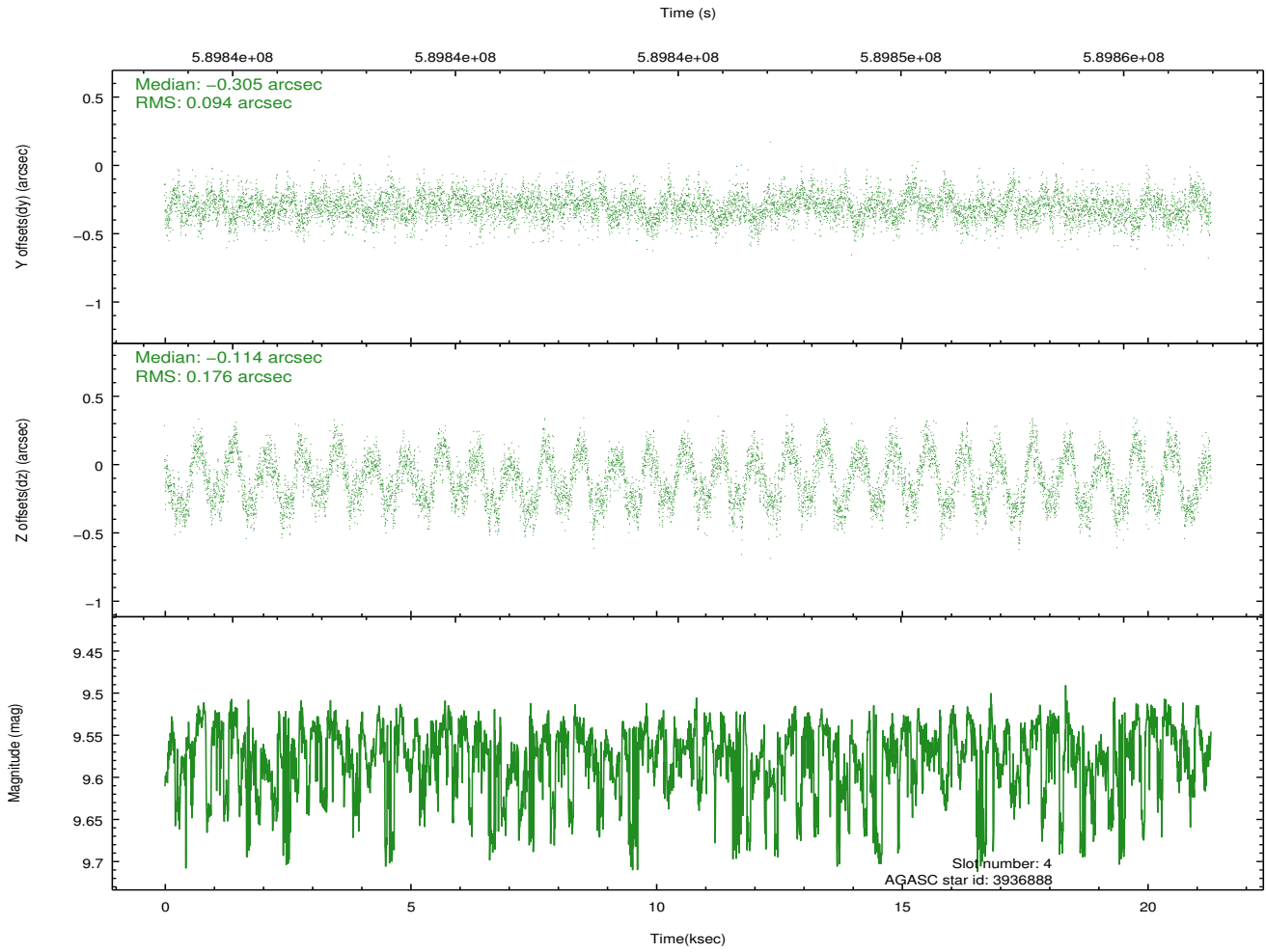
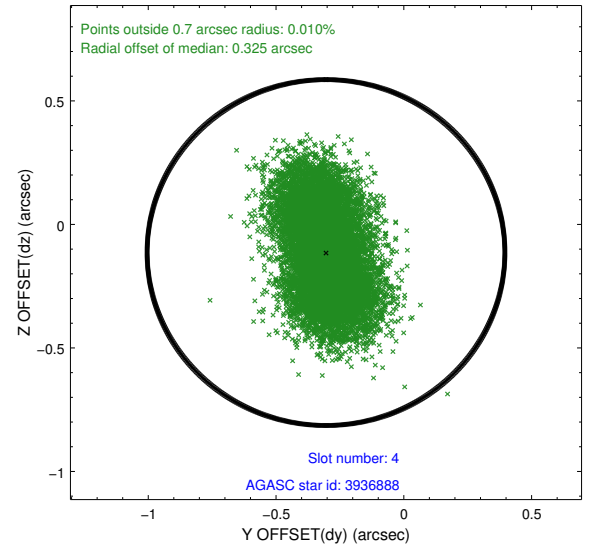
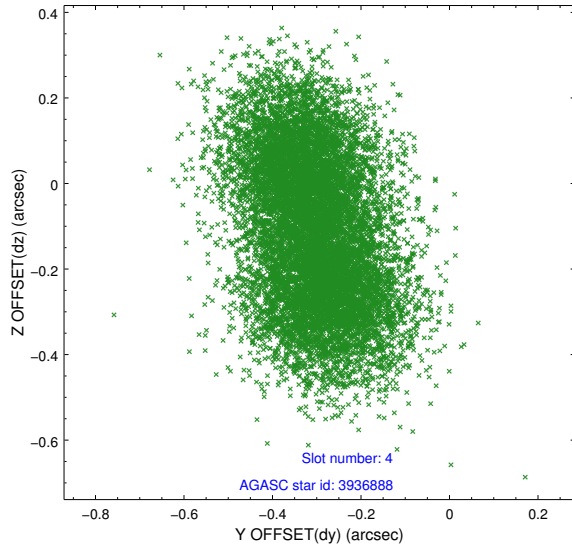
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.07	5194	-0.185	-0.119	0.018	0.027	0.000000	0.000000	-770.43	-1740.62
1	FID		ACIS-S-4	7.17	5194	0.457	0.121	0.007	0.014	0.000000	0.000000	2143.38	167.97
2	FID		ACIS-S-5	7.17	5194	-0.304	0.007	0.017	0.024	0.000000	0.000000	-1823.21	161.65
3	GUIDE	used	3933160	9.37	10380	-0.318	-0.368	0.141	0.233	29.607018	0.758442	1001.13	1299.94
4	GUIDE	used	3936888	9.57	10377	-0.305	-0.114	0.217	0.341	29.975632	1.145154	2194.19	-208.41
5	GUIDE	used	4856880	9.68	10370	0.455	0.267	0.254	0.409	30.184858	0.362905	-699.90	-560.42
6	GUIDE	used	4858264	8.56	10377	0.260	0.169	0.108	0.177	30.366209	0.475653	-389.98	-1263.30
7	GUIDE	used	4858896	9.84	10380	-0.095	0.070	0.237	0.358	30.397960	0.910376	1144.83	-1595.53

2.4 Star Slots

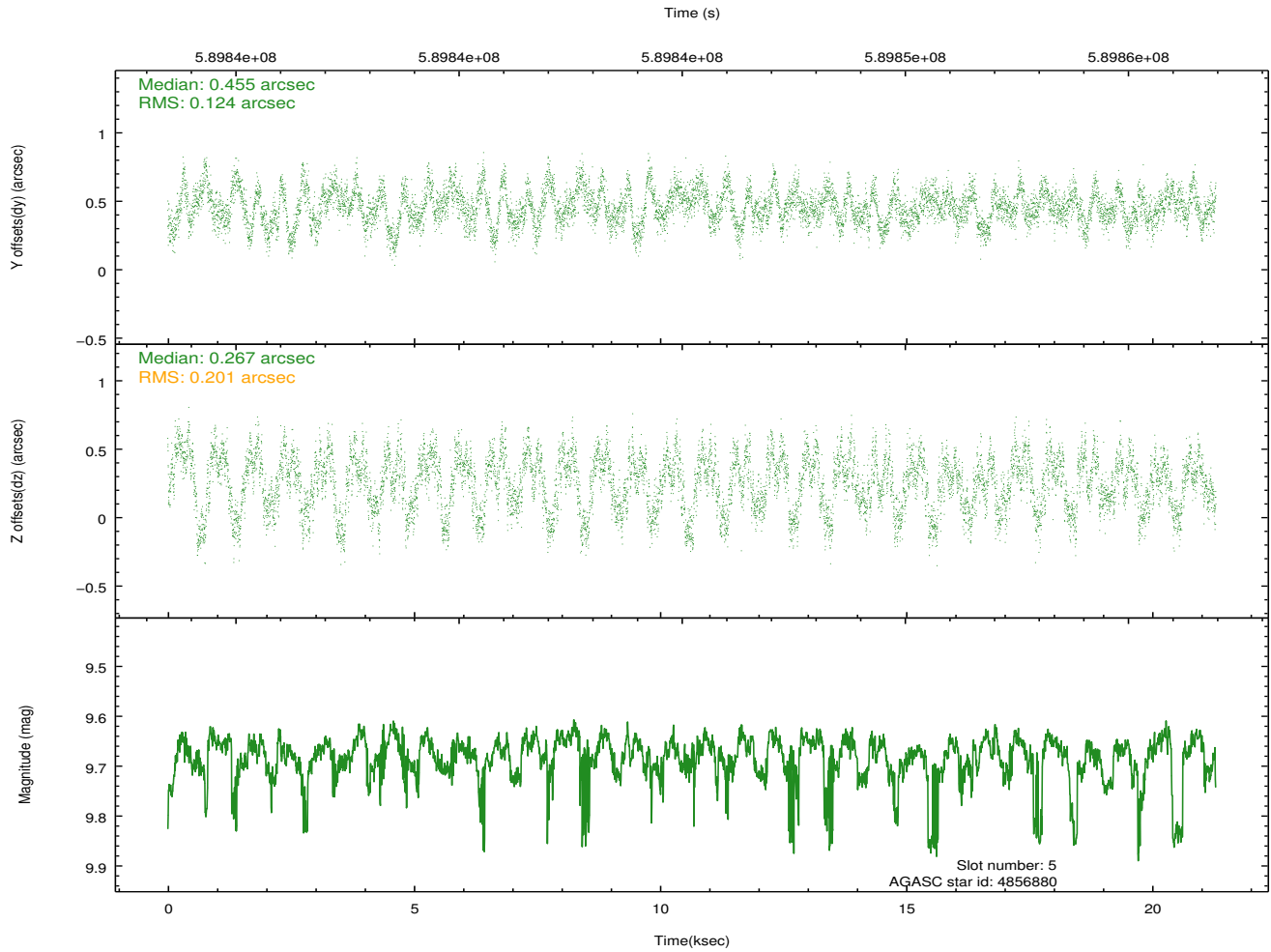
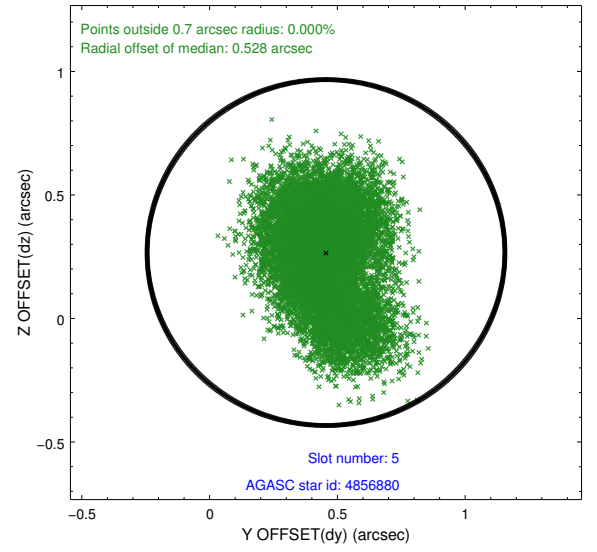
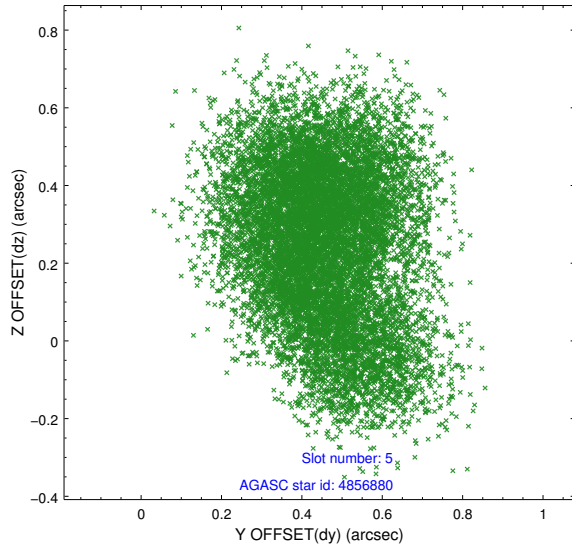
2.4.1 Slot 3



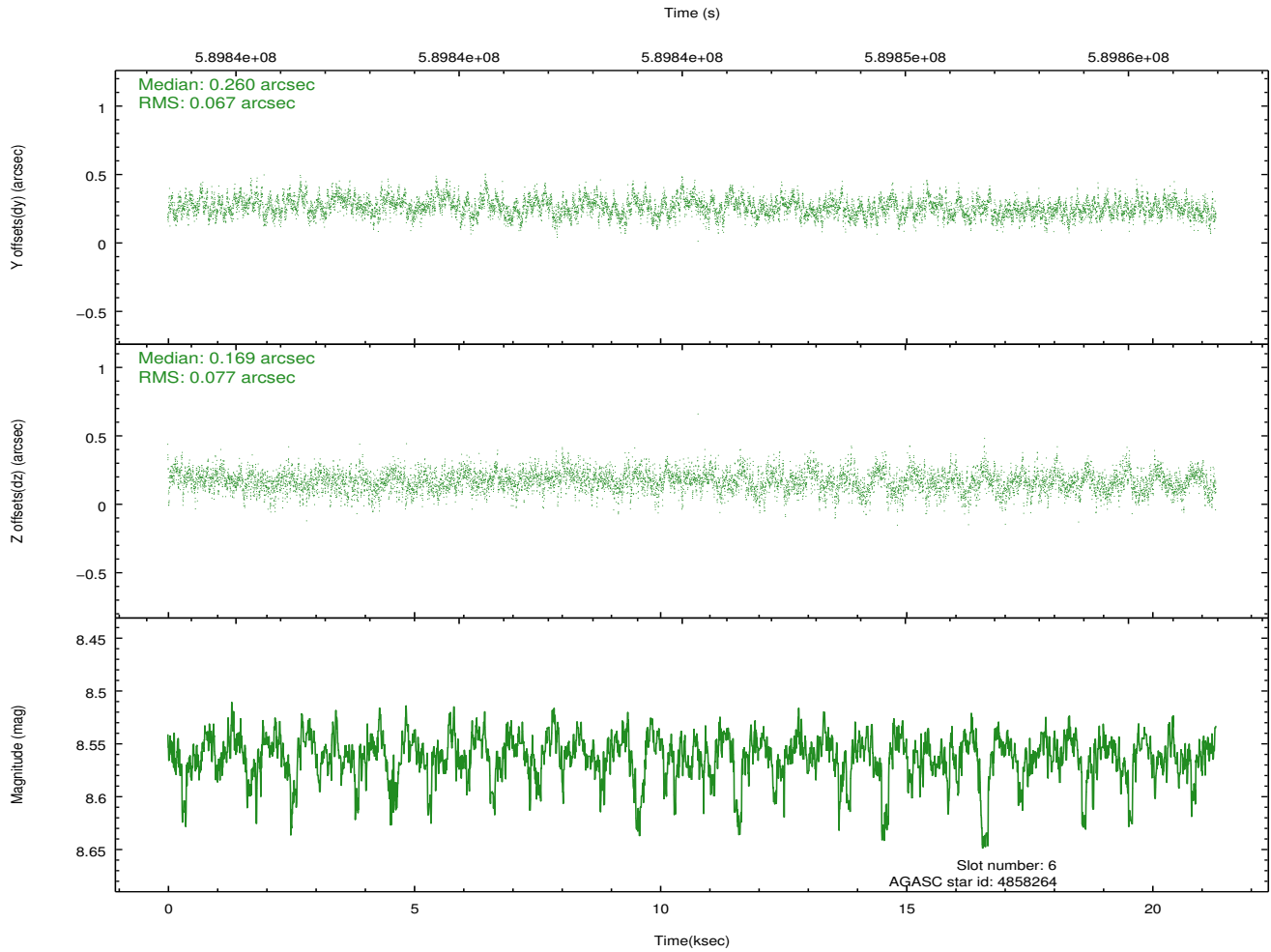
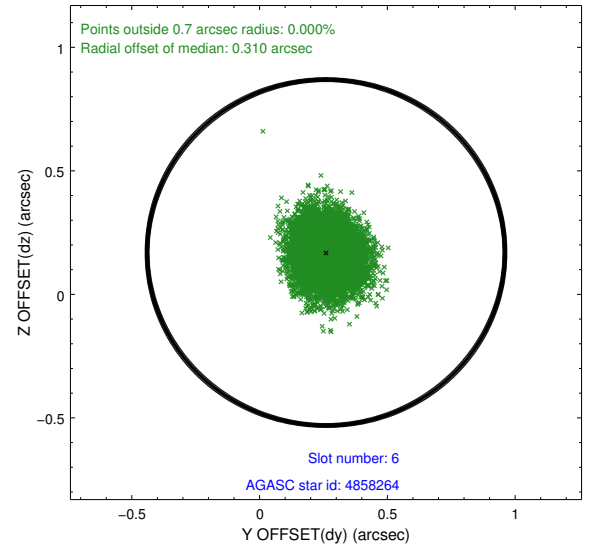
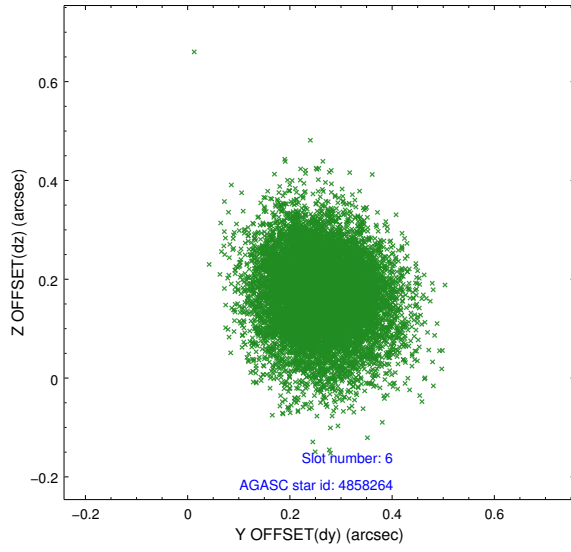
2.4.2 Slot 4



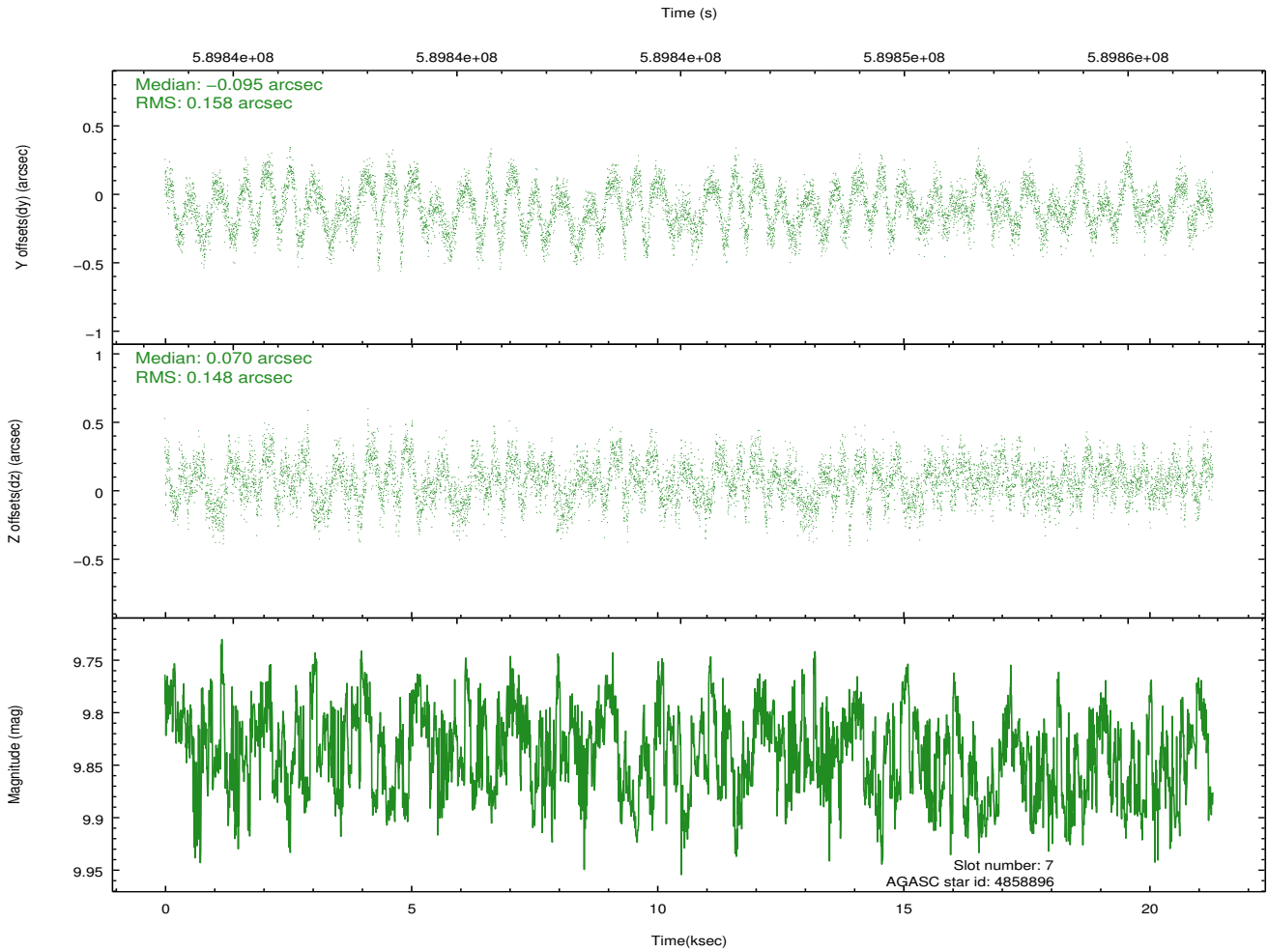
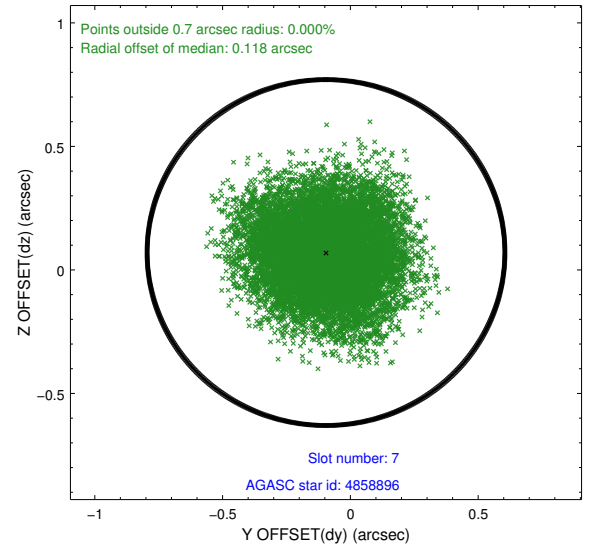
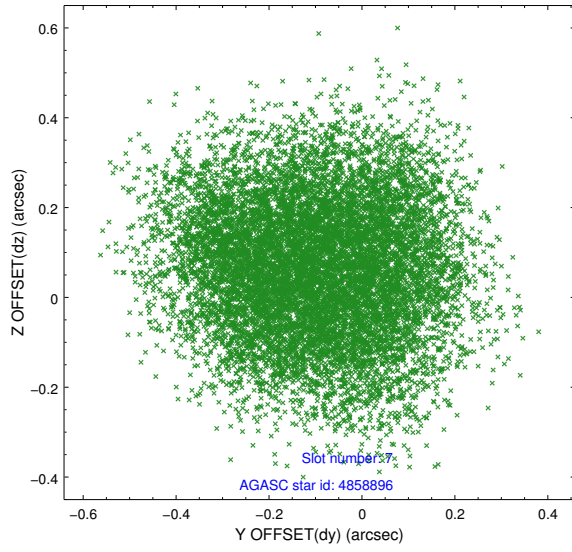
2.4.3 Slot 5



2.4.4 Slot 6

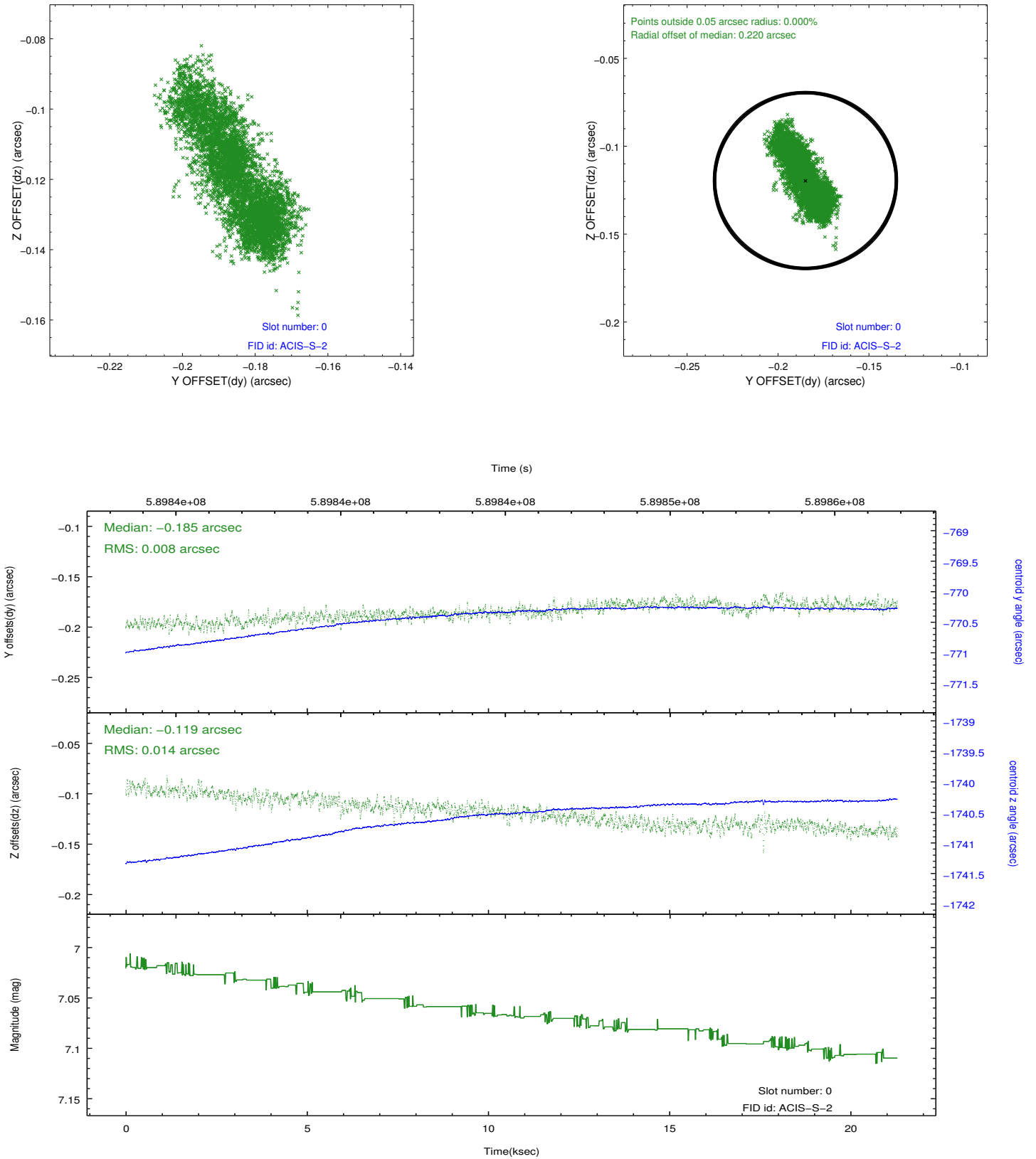


2.4.5 Slot 7

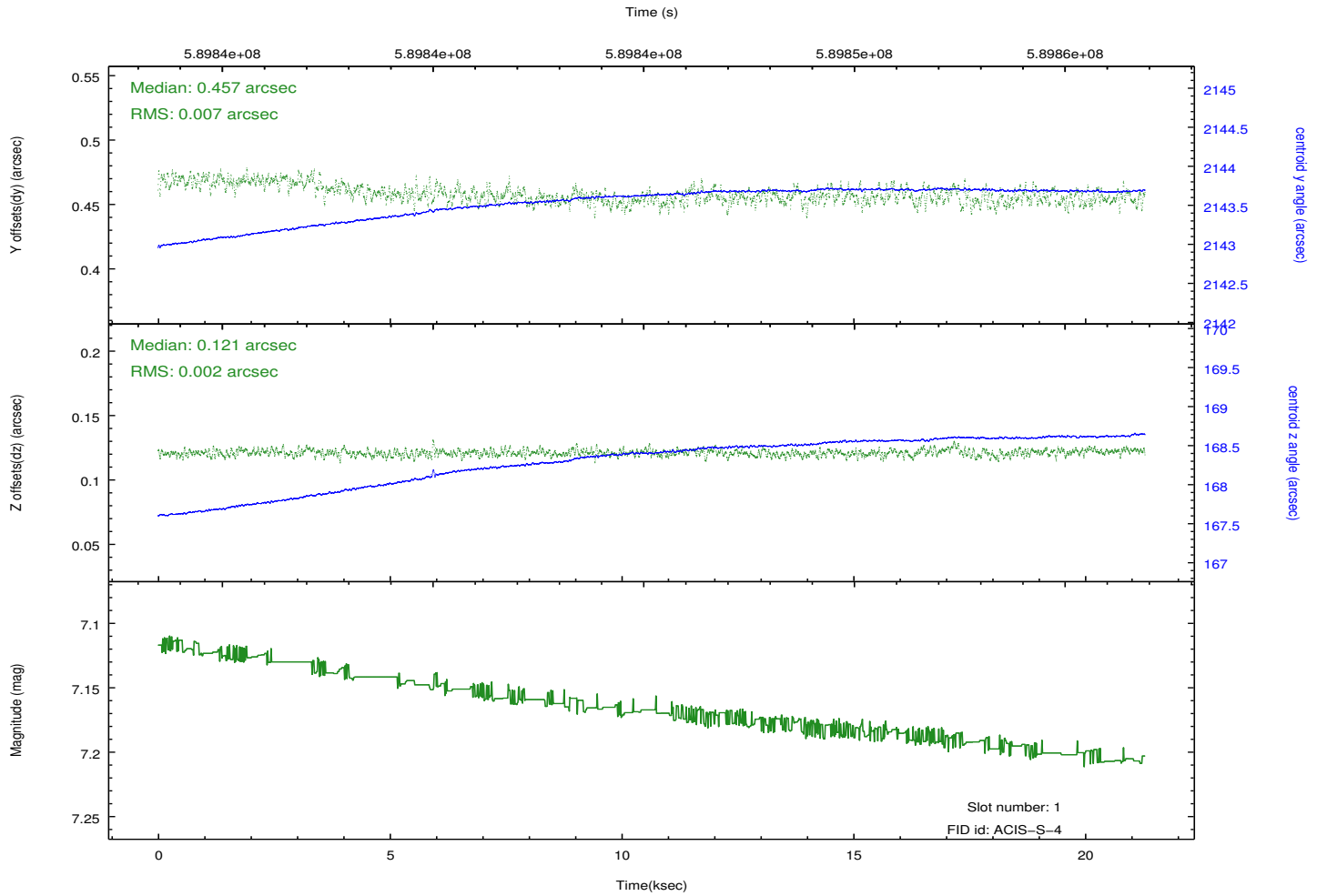
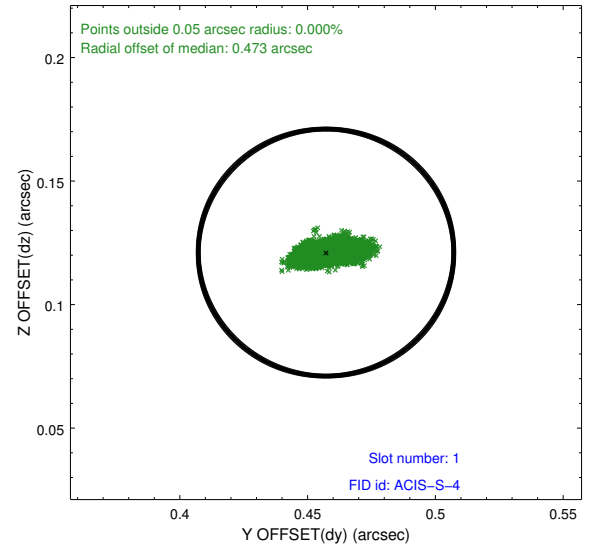
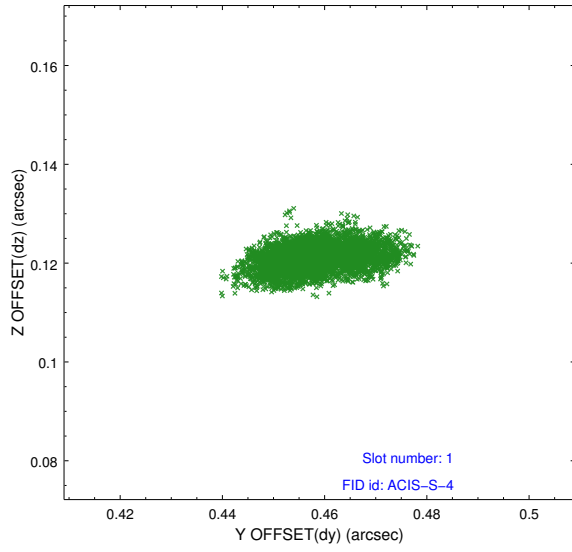


2.5 FID Slots

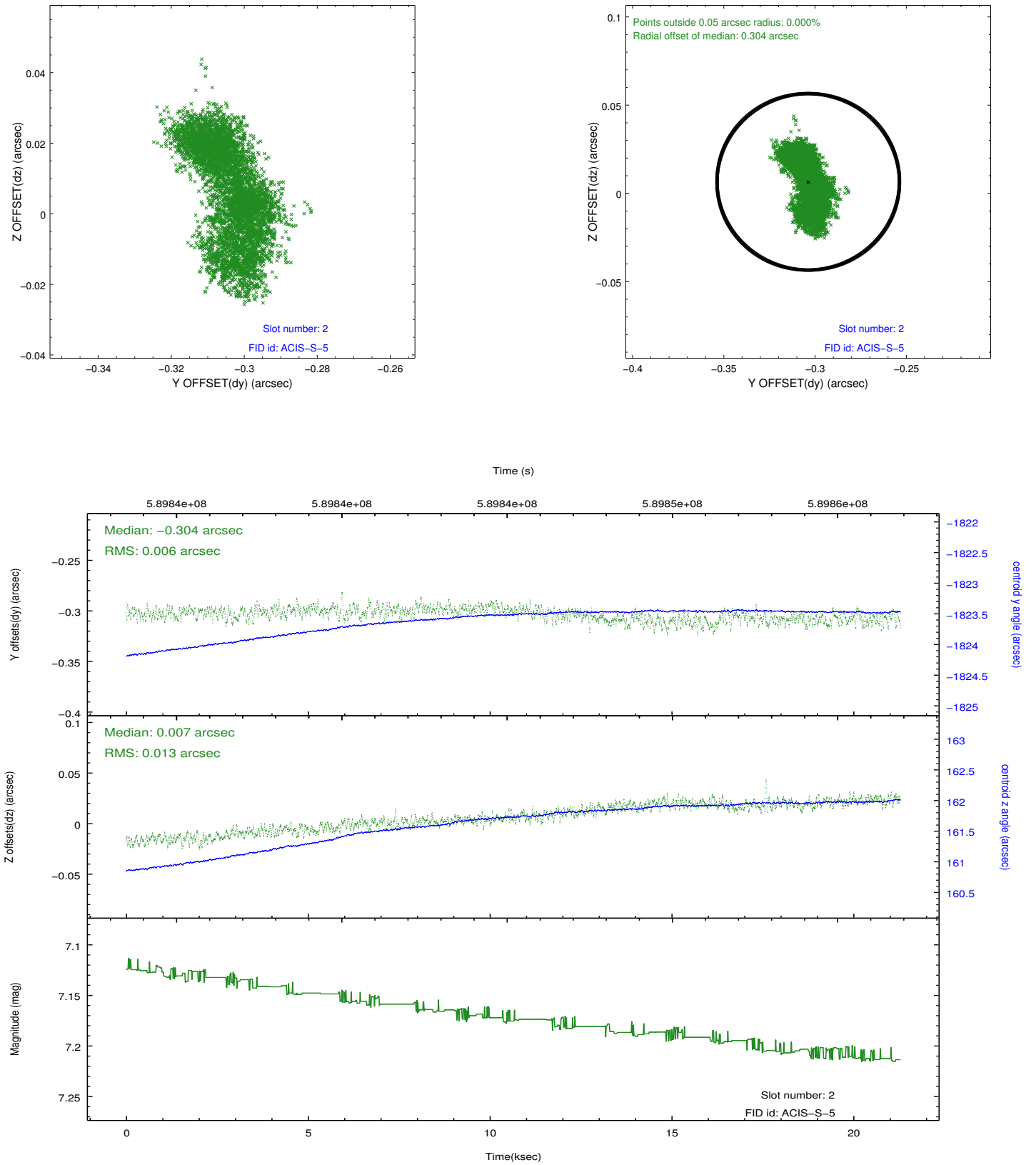
2.5.1 Slot 0



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)	2016.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.035923112631

A.2 Comments