

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8910 - L2 Version 2
Chandra X-Ray Center

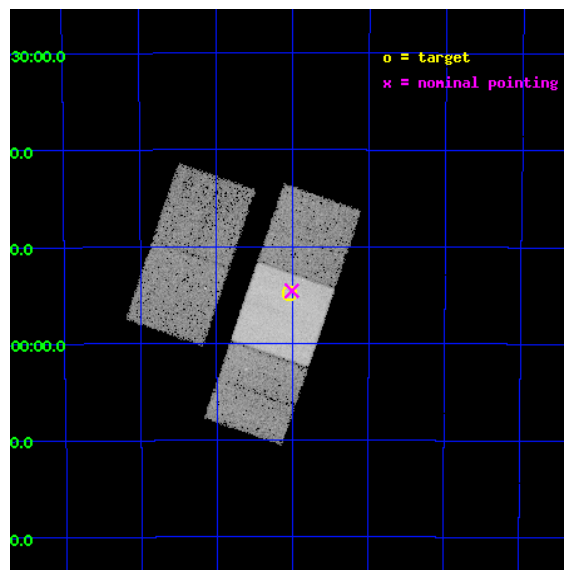
L2 Processing Date : May 25 2012

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1 Front

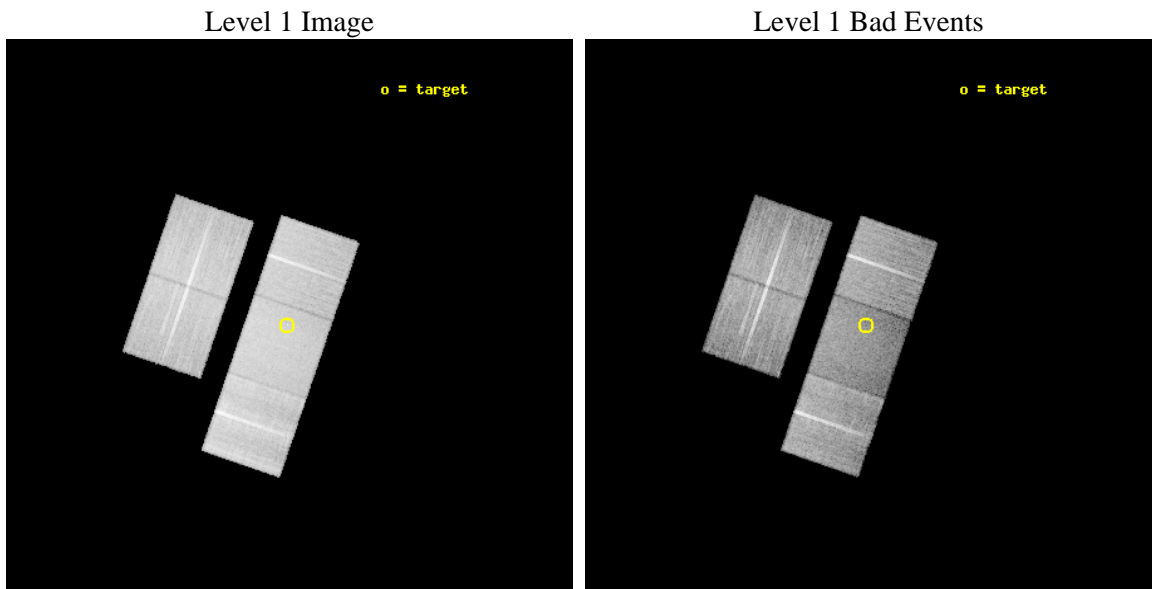
seq_num	200491	Sequence number
obs_id	8910	Observation id
title	A Survey of X-ray Emission from Nitrogen-rich Wolf-Rayet Stars	Pro
observer	Dr. Stephen Skinner	Principal investigator
object	WR 18	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.259583	Observer's specified target RA [deg]
dec_targ	-57.913028	Observer's specified target Dec [deg]
ra_nom	154.25253874655	Nominal RA [deg]
dec_nom	-57.90994973097	Nominal Dec [deg]
roll_nom	108.95226637404	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19945.400153399	Sum of GTIs [s]
livetime	19684.798816804	Livetime [s]
ontime2	19945.400153399	Sum of GTIs [s]
ontime3	19945.400153399	Sum of GTIs [s]
ontime6	19945.400153399	Sum of GTIs [s]
ontime7	19945.400153399	Sum of GTIs [s]
ontime8	19942.259183109	Sum of GTIs [s]
l2events	145746	Number of level 2 events



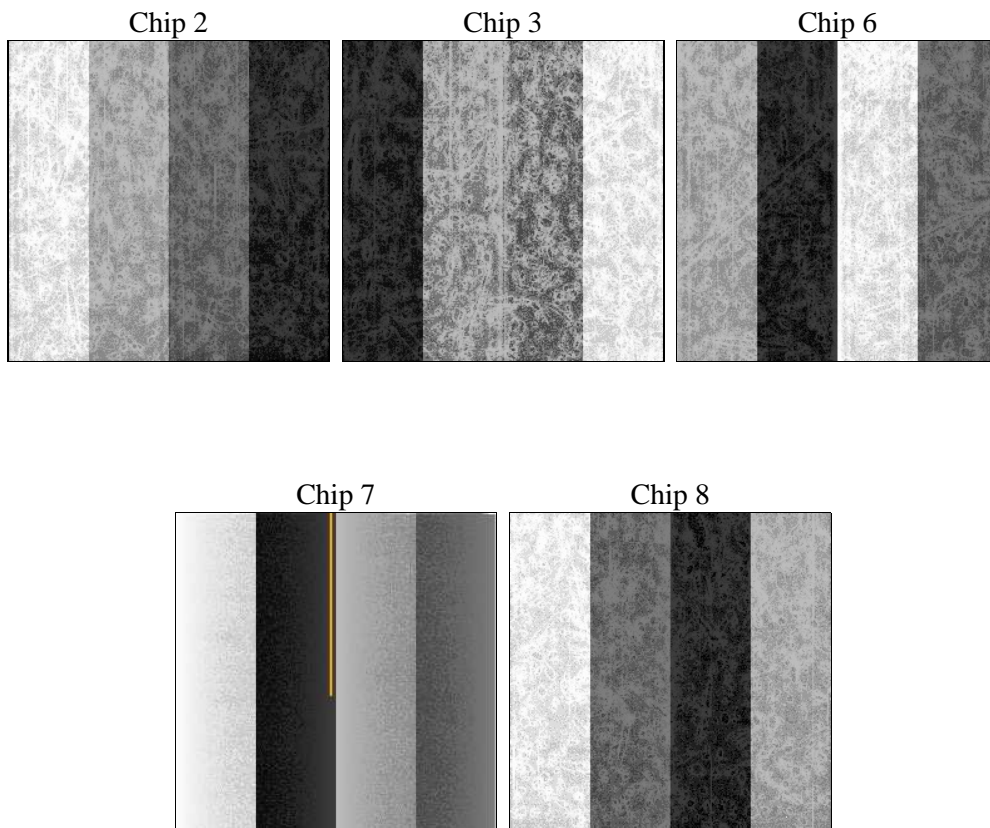
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19760.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19945.400153399	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	19945.400153399	Sum of GTIs [s]
date	2012-05-25T05:50:24	Date and time of file creation	ontime3	19945.400153399	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	19945.400153399	Sum of GTIs [s]
			ontime7	19945.400153399	Sum of GTIs [s]
			ontime8	19942.259183109	Sum of GTIs [s]
			l1events	907622	Number of level 1 events

2.1.4 Events

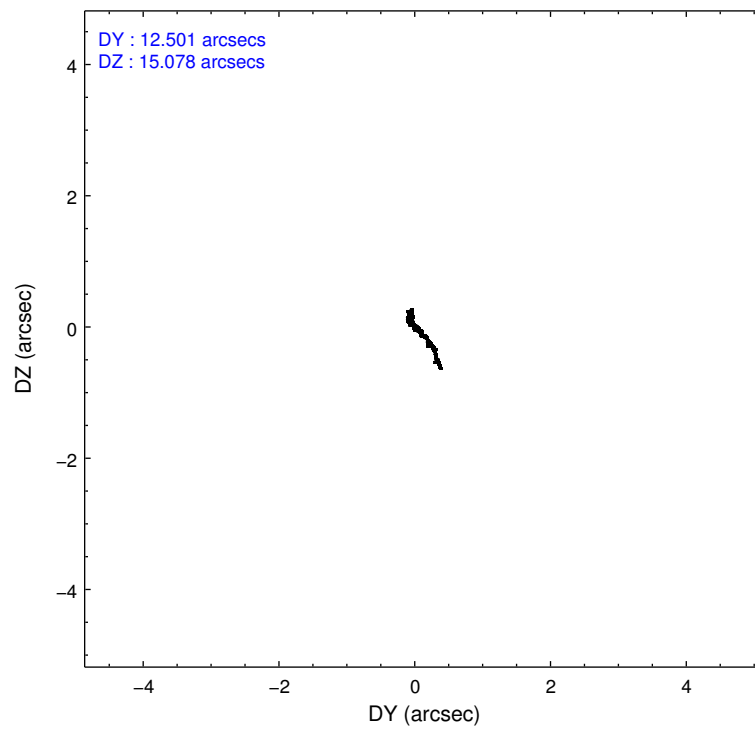
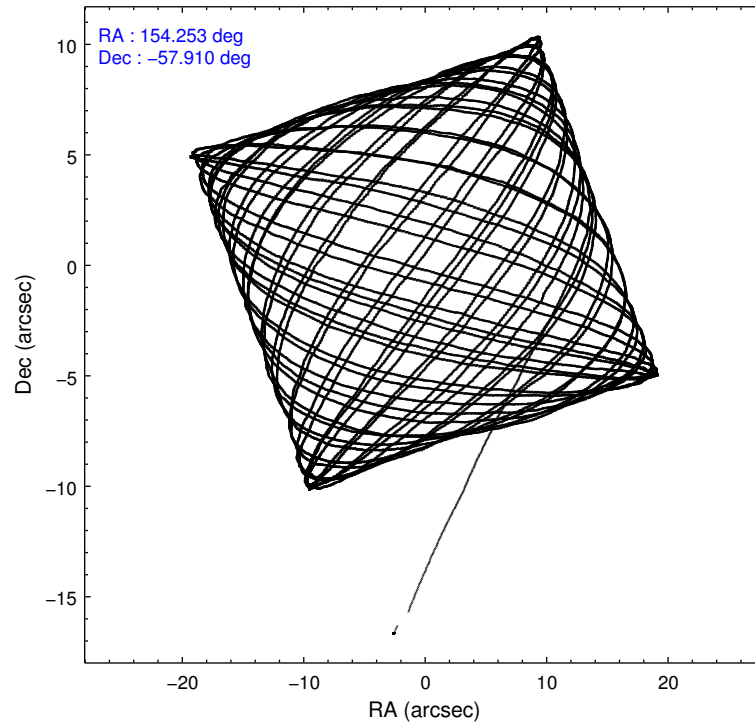
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	172096	163852	168112	191658	211904
rejected events	155808	147318	149804	105404	159388
rejected %	90%	89%	89%	54%	75%

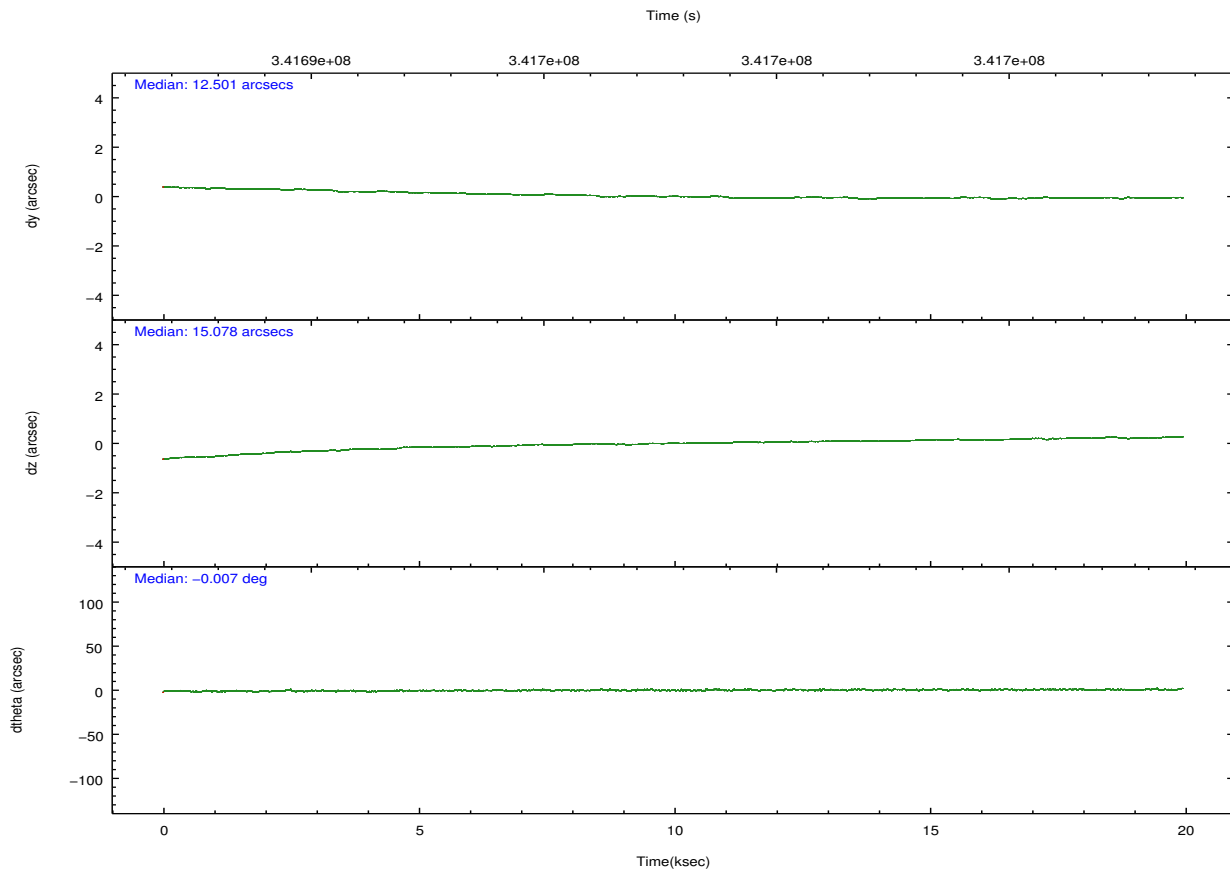
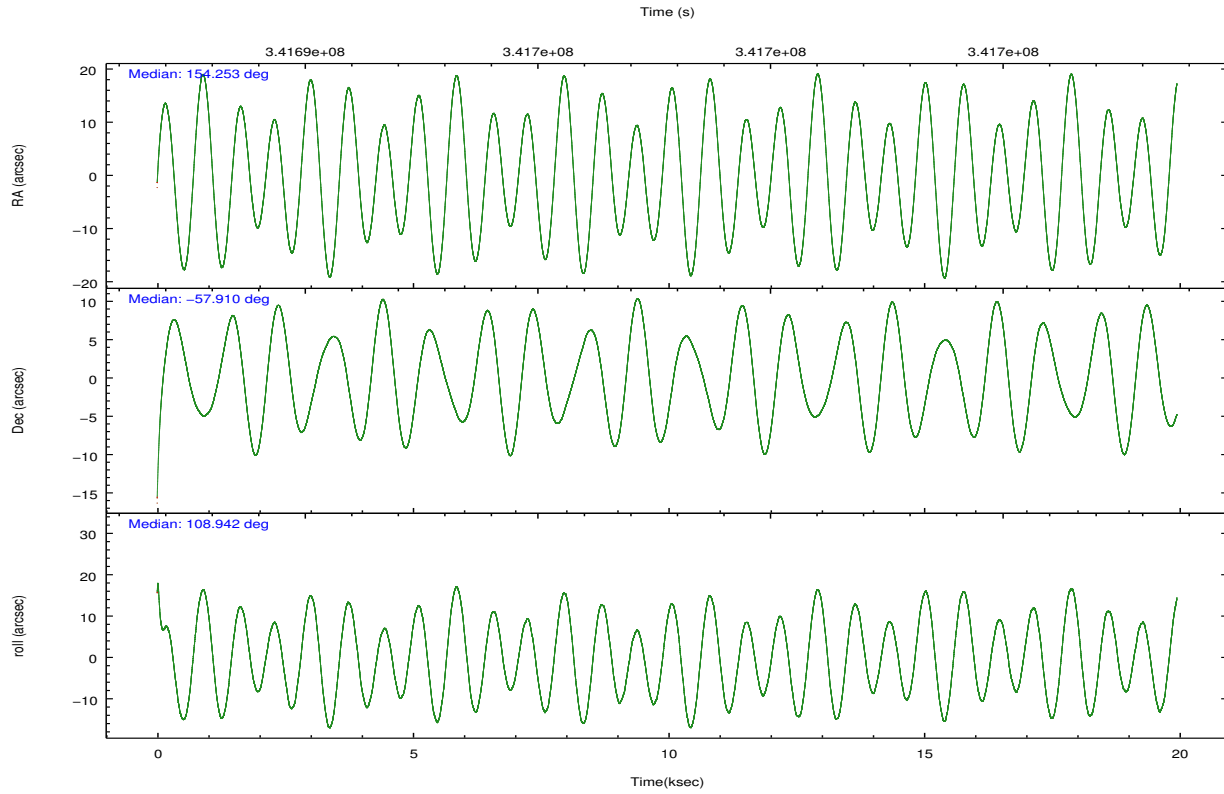
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6162	6527	6991	8279	16777
	3%	3%	4%	4%	7%
grade 1 events	101	110	82	262	174
	0%	0%	0%	0%	0%
grade 2 events	3913	3571	4096	18190	12023
	2%	2%	2%	9%	5%
grade 3 events	1702	1769	1980	8028	5617
	0%	1%	1%	4%	2%
grade 4 events	1800	1735	1847	8002	5315
	1%	1%	1%	4%	2%
grade 5 events	5432	6817	7021	19920	9755
	3%	4%	4%	10%	4%
grade 6 events	3026	3267	3787	45513	13815
	1%	1%	2%	23%	6%
grade 7 events	149960	140056	142308	83464	148428
	87%	85%	84%	43%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	154.291823	154.2525387465475	Subarray requested	NONE	NONE
[deg] Pointing Dec	-57.927624	-57.9099497309703	Alternating exposures requested	N	N
[deg] Pointing Roll	108.828911	108.9522663740372	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	341687983.184000	341686778.5526			
Observation start date	2008-10-29T17:18:38	2008-10-29T16:59:38			
[s] Observation end time (MET)	341707743.184000	341708765.82869			
Observation end date	2008-10-29T22:47:58	2008-10-29T23:06:05			
Read mode	TIMED	TIMED			

2.3 Aspect



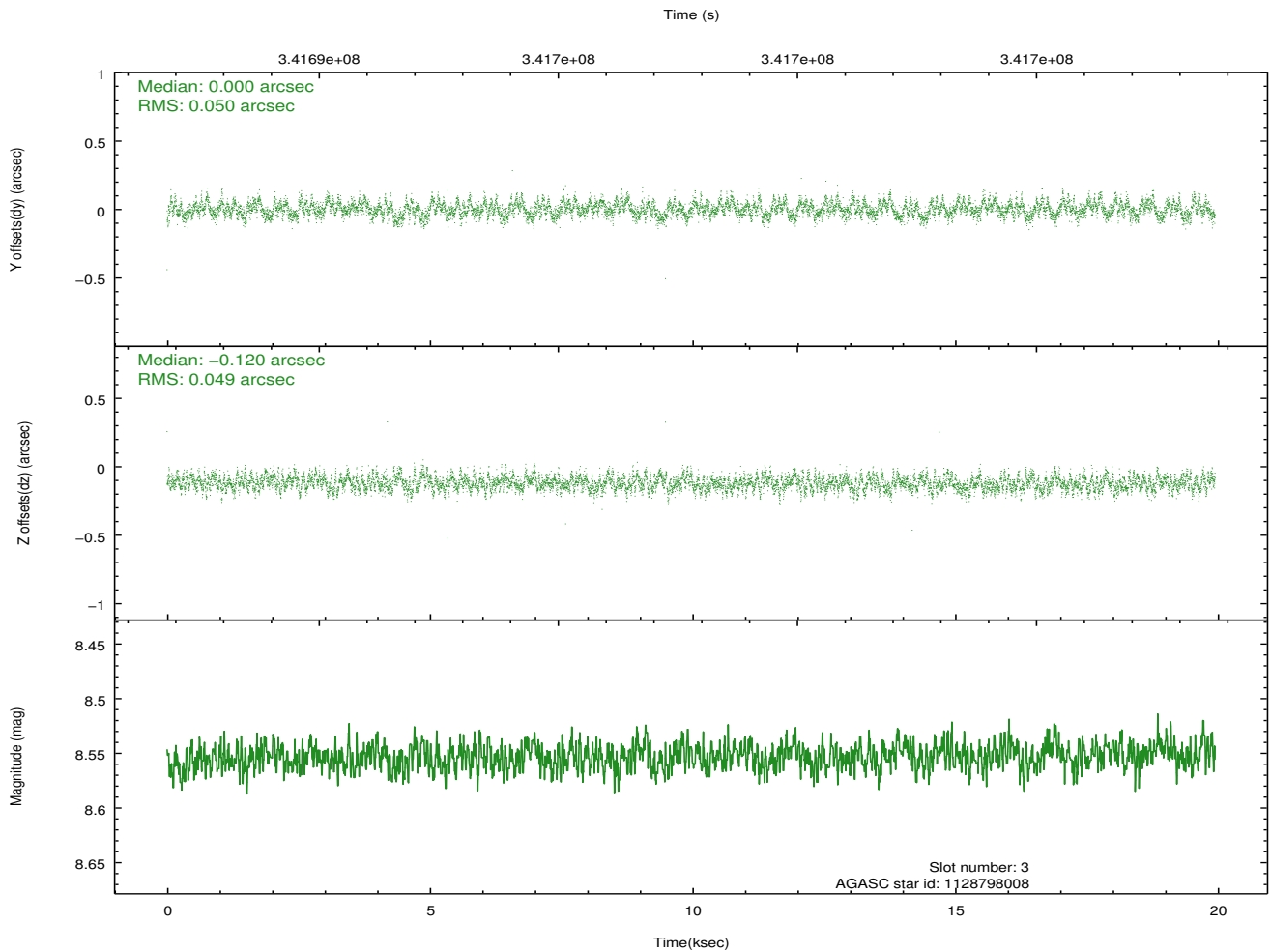
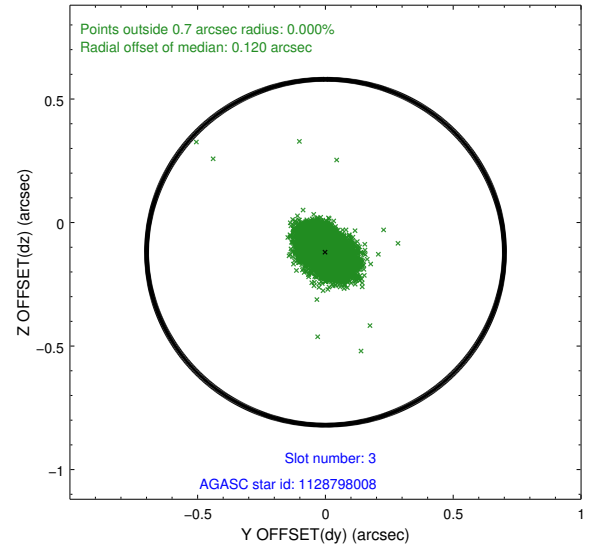
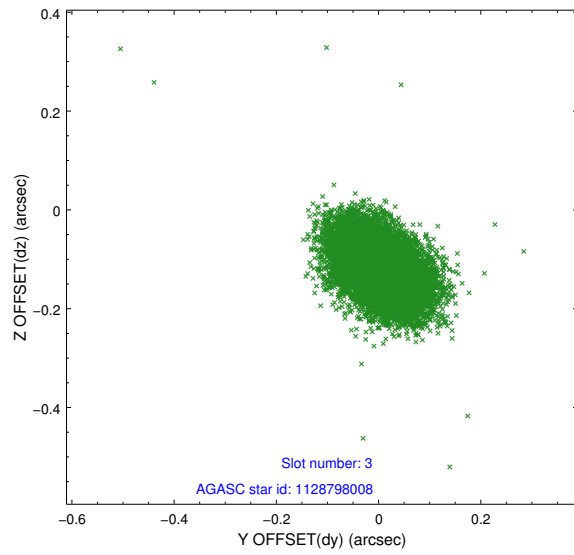


Slot Statistics

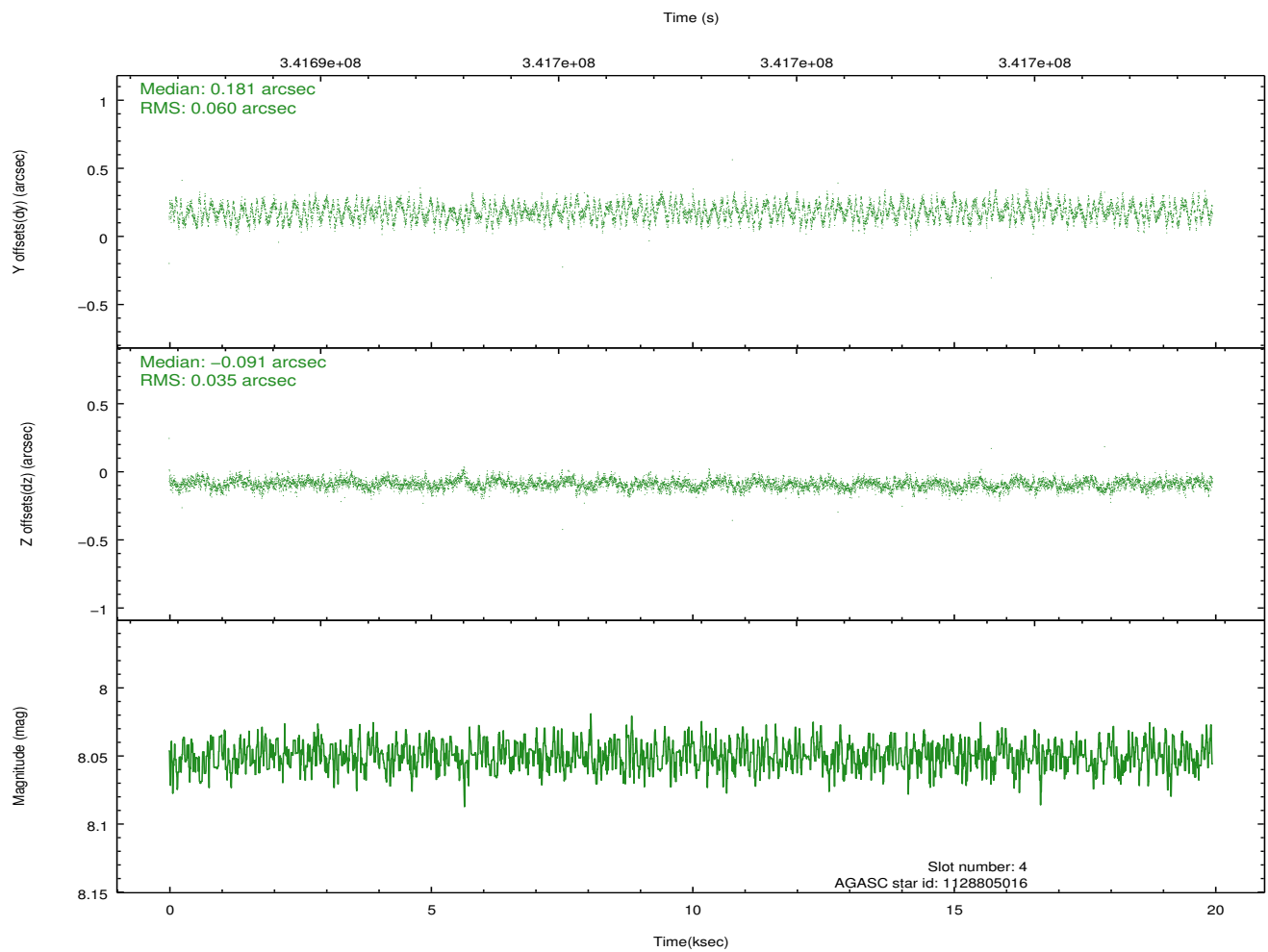
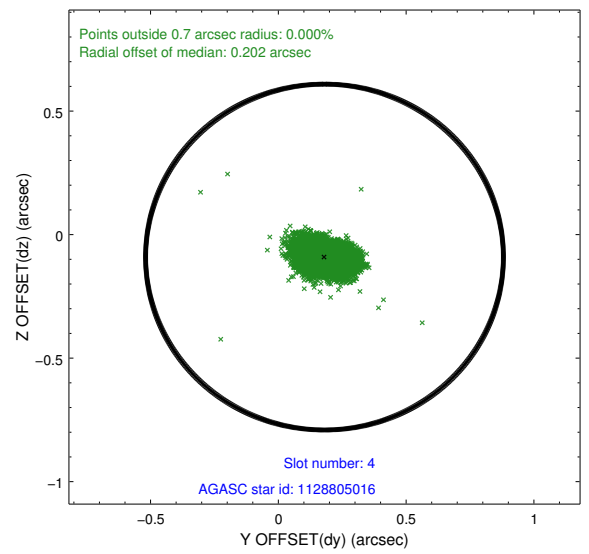
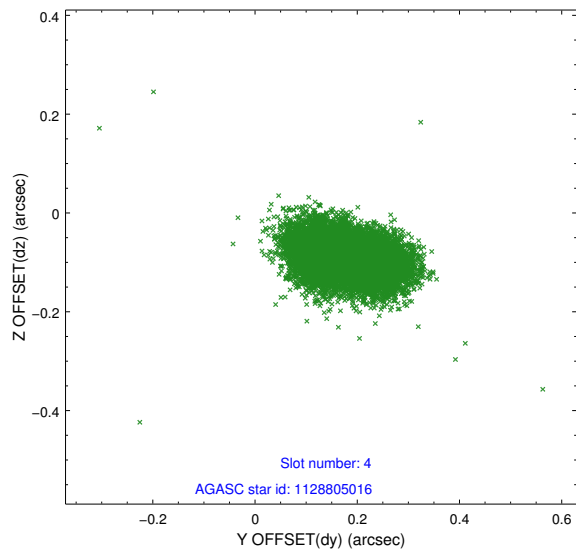
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.02	4866	0.102	-0.047	0.007	0.012	0.000000	0.000000	930.70	-1732.02
1	FID	ACIS-S-2	6.93	4867	-0.049	0.008	0.010	0.021	0.000000	0.000000	-765.24	-1736.75
2	FID	ACIS-S-5	7.05	4866	-0.076	0.045	0.008	0.015	0.000000	0.000000	-1818.75	165.38
3	GUIDE	1128798008	8.55	9730	0.000	-0.120	0.074	0.120	153.338718	-58.362994	-914.76	2213.37
4	GUIDE	1128805016	8.05	9729	0.181	-0.091	0.074	0.117	153.672116	-58.552929	-1760.04	1830.03
5	GUIDE	1128273656	7.64	9659	-0.188	0.138	0.059	0.098	154.969776	-57.507105	1003.75	-1726.62
6	GUIDE	1128274528	8.26	9731	0.093	0.030	0.095	0.157	155.154363	-57.169768	2029.83	-2470.06
7	GUIDE	1128803944	8.81	9723	-0.090	0.042	0.064	0.103	154.436831	-58.433126	-1810.55	328.51

2.4 Star Slots

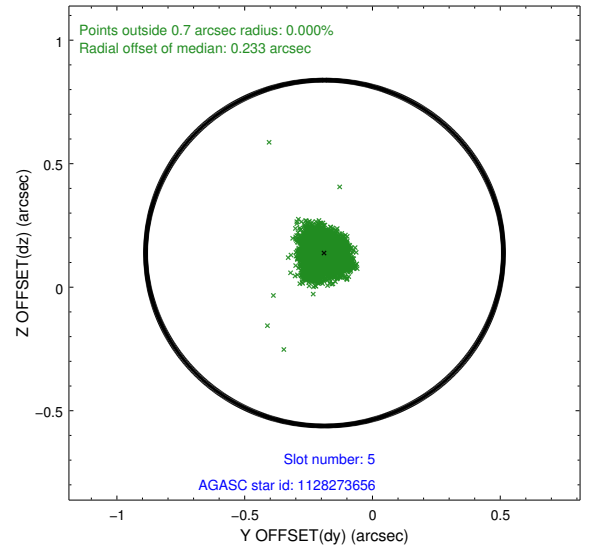
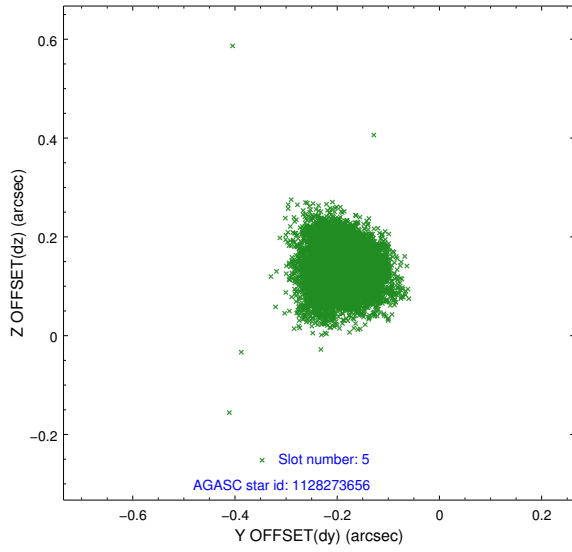
2.4.1 Slot 3



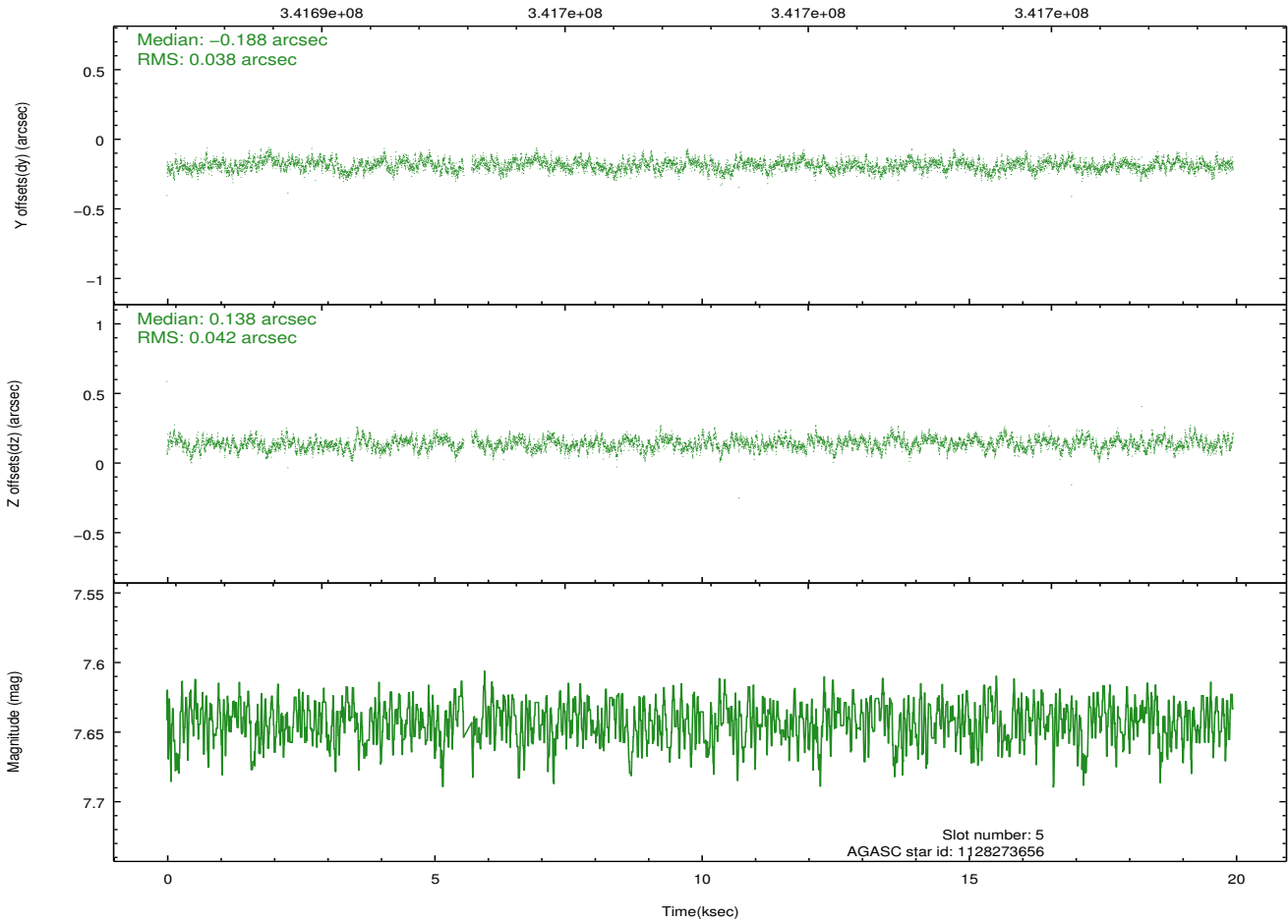
2.4.2 Slot 4



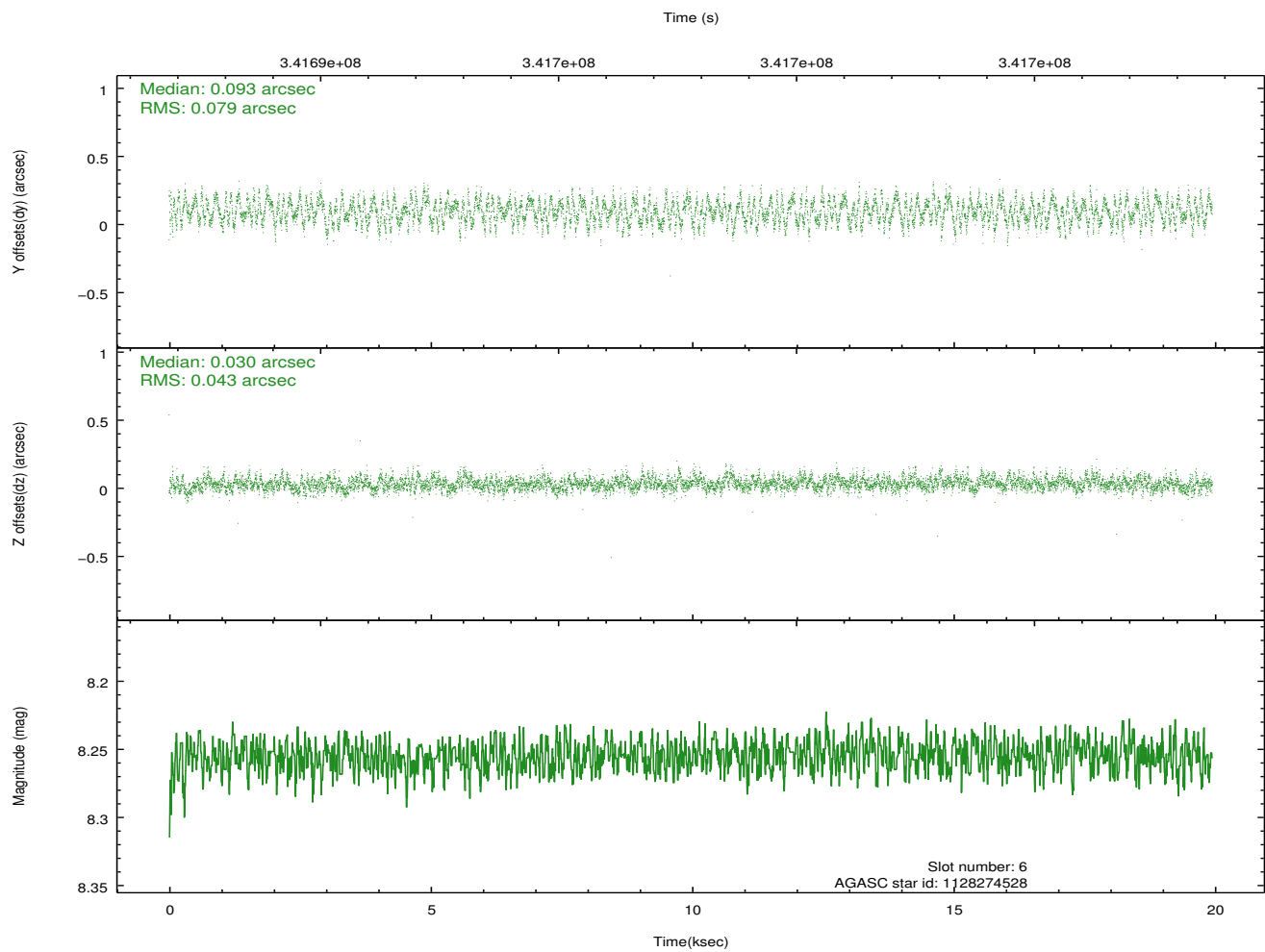
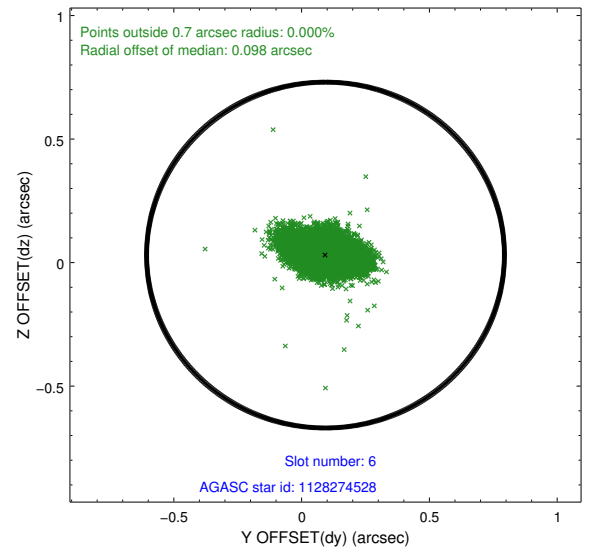
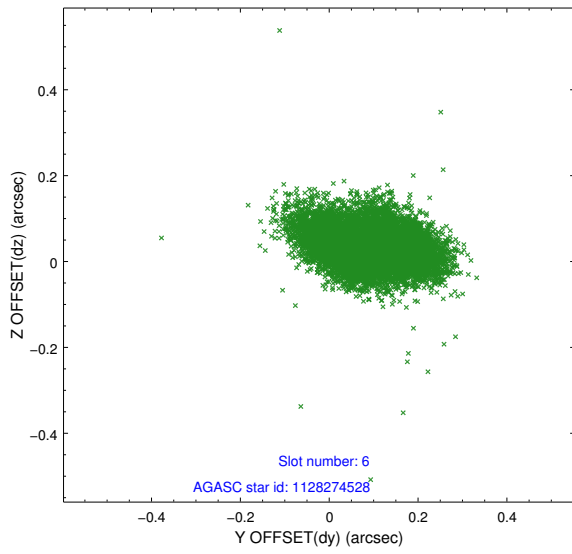
2.4.3 Slot 5



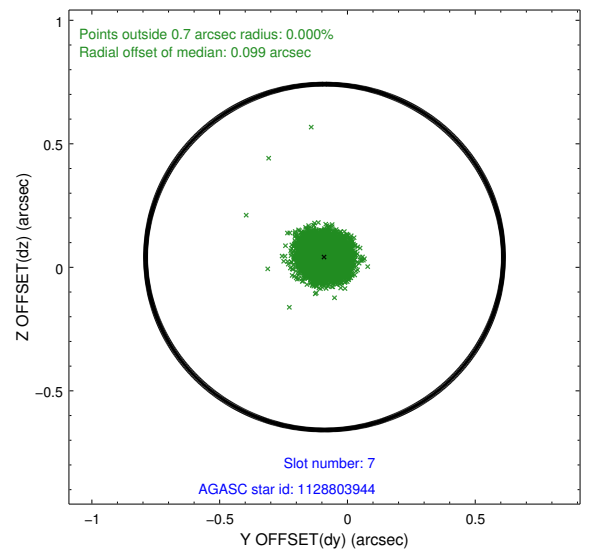
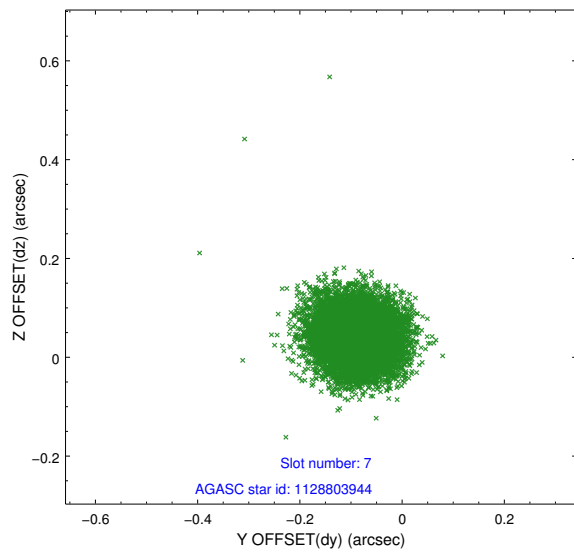
Time (s)



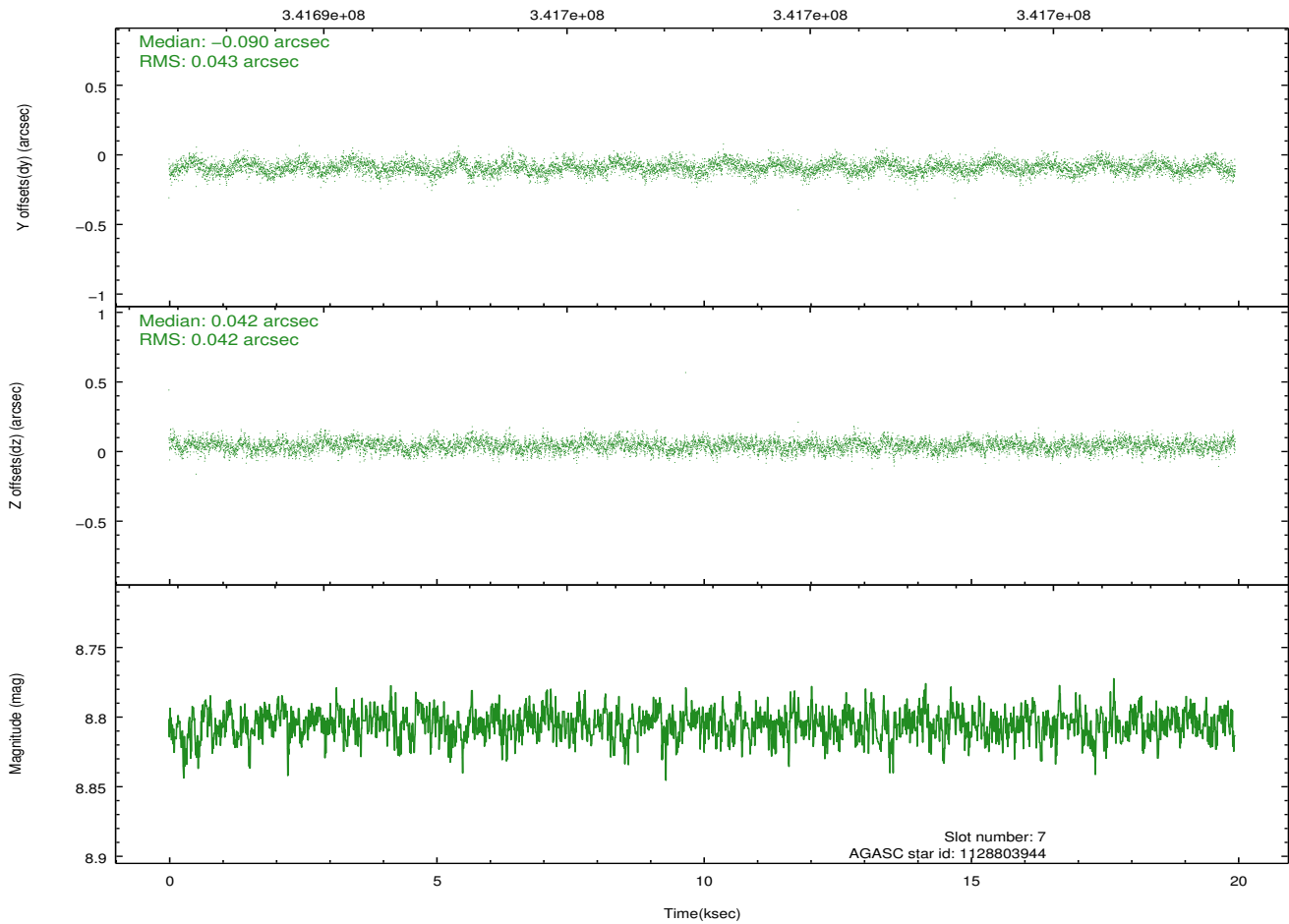
2.4.4 Slot 6



2.4.5 Slot 7

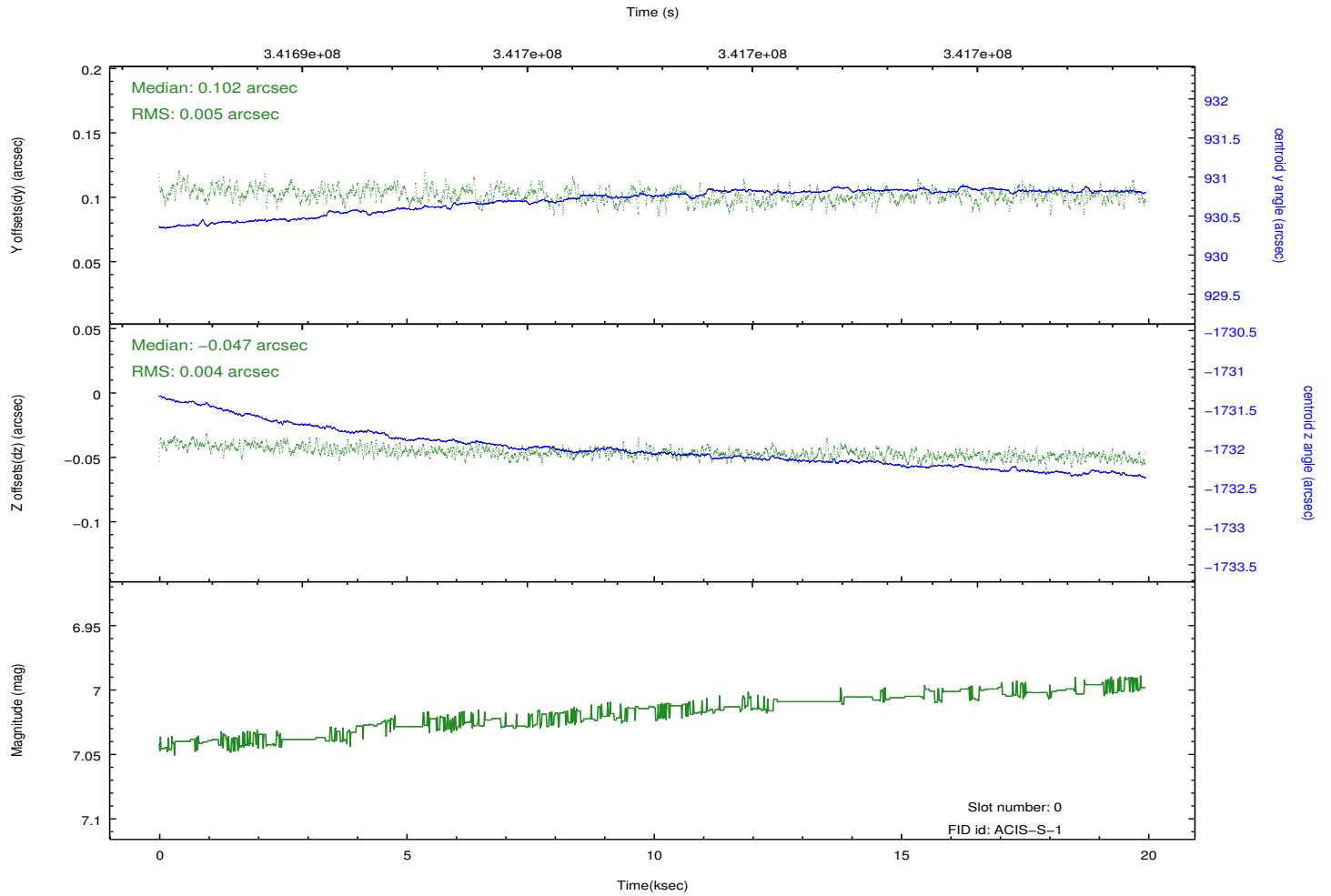
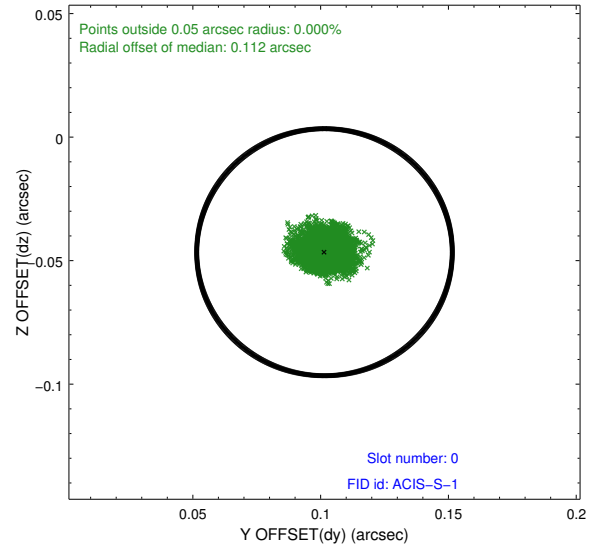
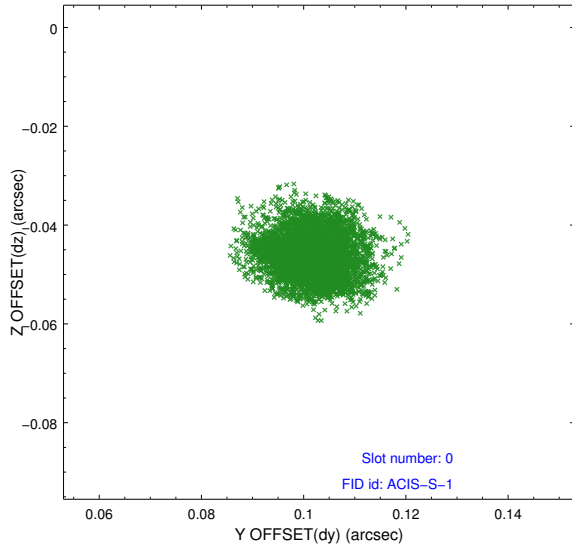


Time (s)

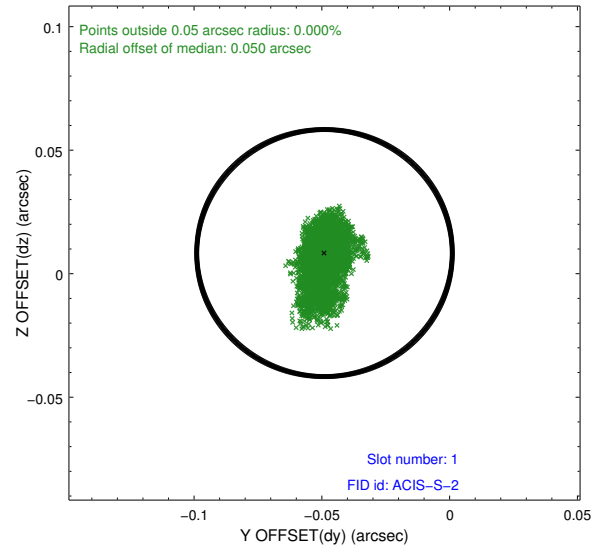
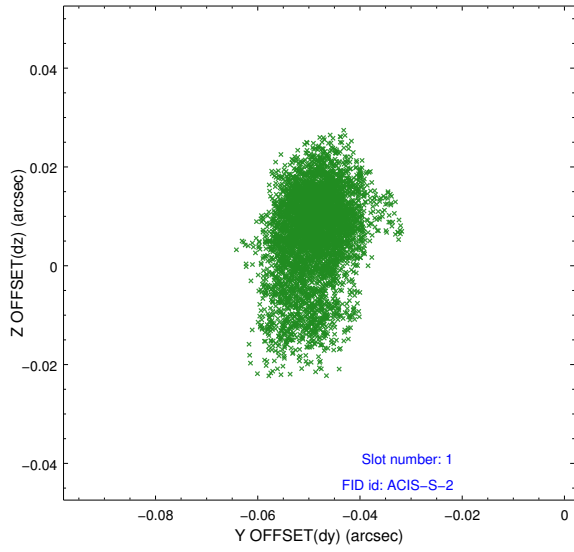


2.5 FID Slots

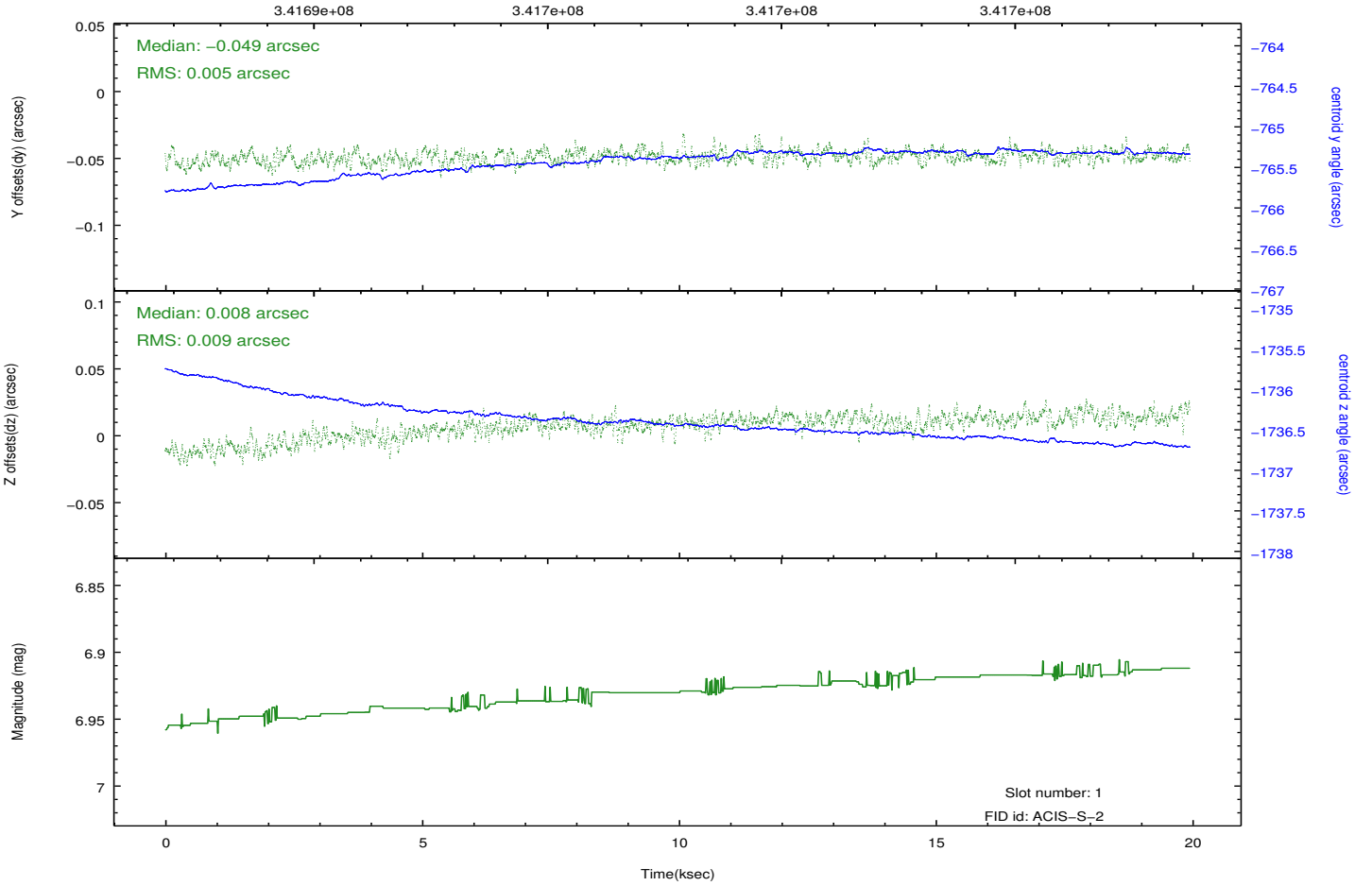
2.5.1 Slot 0



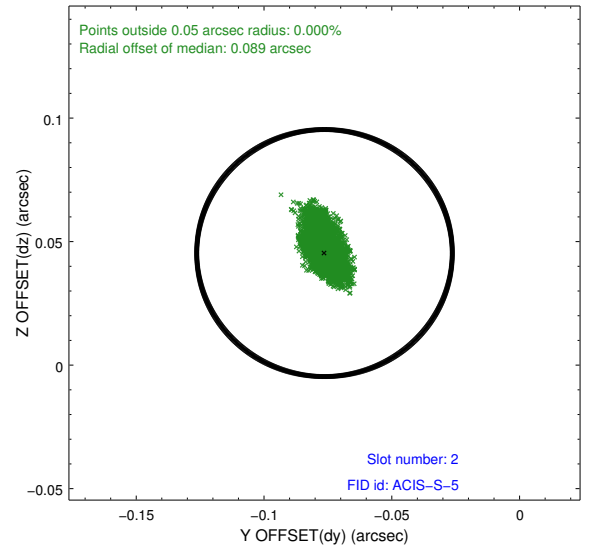
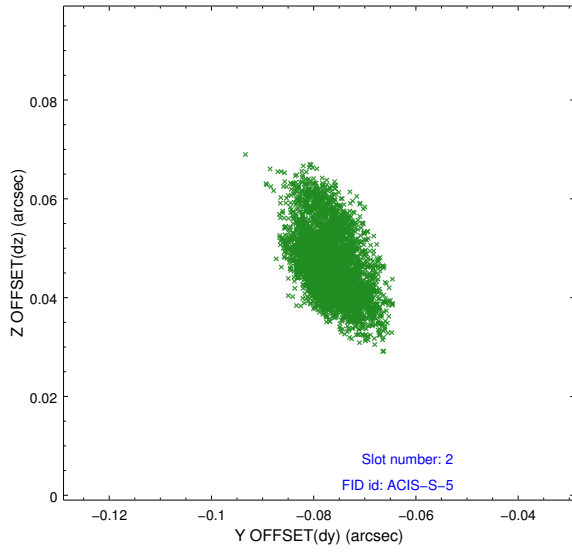
2.5.2 Slot 1



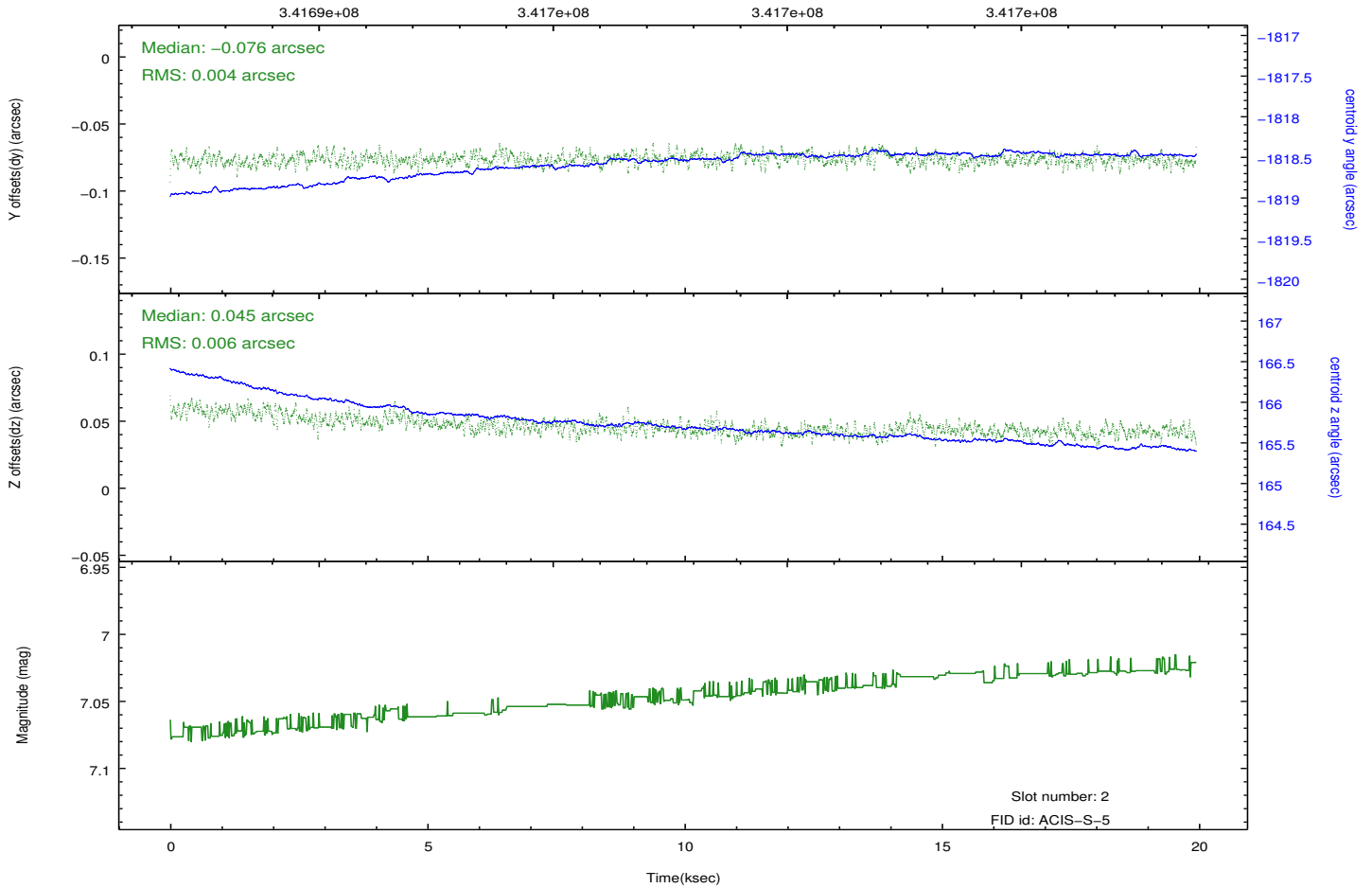
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.9454001

A.2 Comments