

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7433 - L2 Version 4
Chandra X-Ray Center

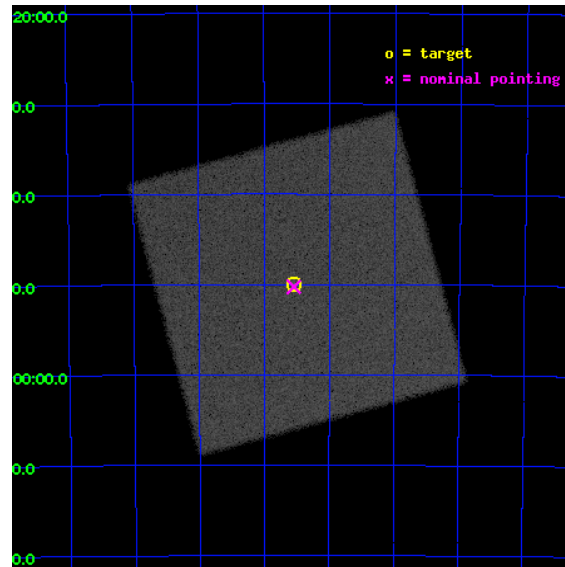
L2 Processing Date : Aug 11 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

seq_num	200446	Sequence number
obs_id	7433	Observation id
title	The Fainting of Alpha Cen A	Proposal title
observer	Dr. Thomas Ayres	Principal investigator
object	Alpha Centauri	Source name
ra_targ	219.884583	Observer's specified target RA [deg]
dec_targ	-60.833889	Observer's specified target Dec [deg]
ra_nom	219.88596743281	Nominal RA [deg]
dec_nom	-60.837782754863	Nominal Dec [deg]
roll_nom	299.90572856698	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5095.5314938426	[s]
livetime	5044.2771732792	Ontime multiplied by DTCOR
l2events	295092	Number of level 2 events

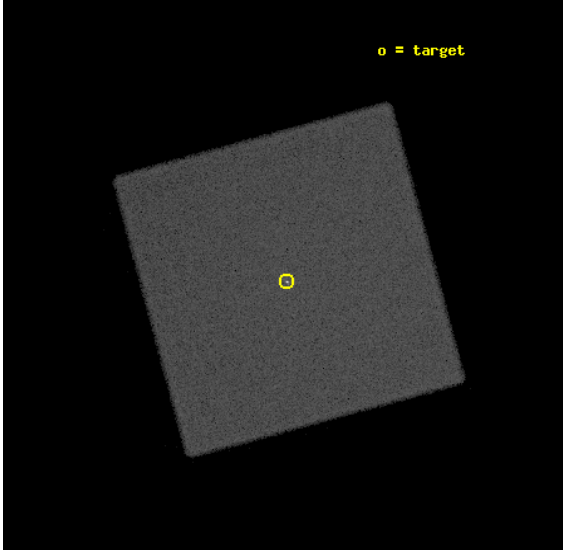


2 OBI

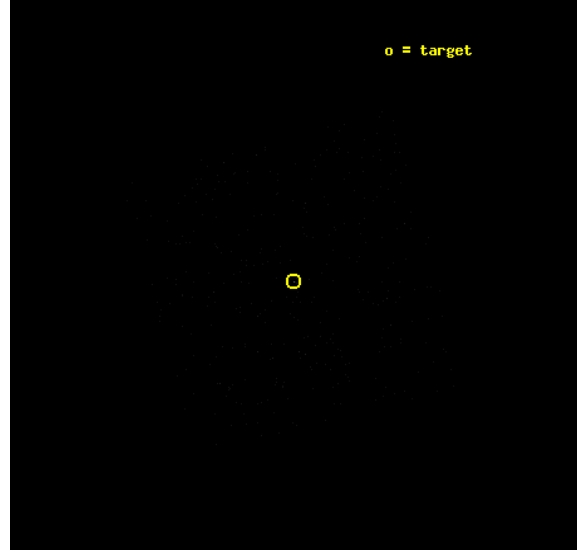
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5095.5314938426	[s]
caldbver	4.5.1.1	 	l1events	441410	Number of level 1 events
date	2012-08-11T22:39:38	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

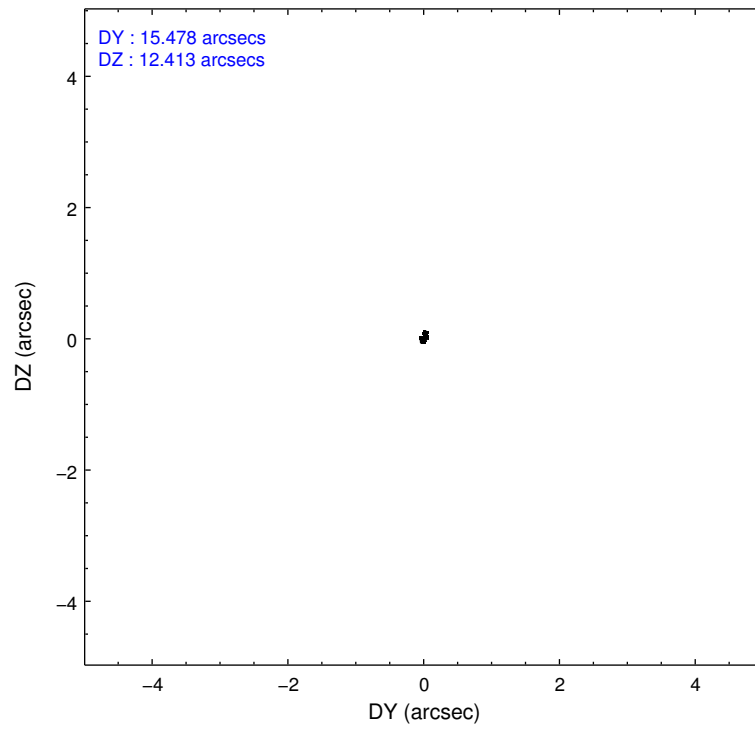
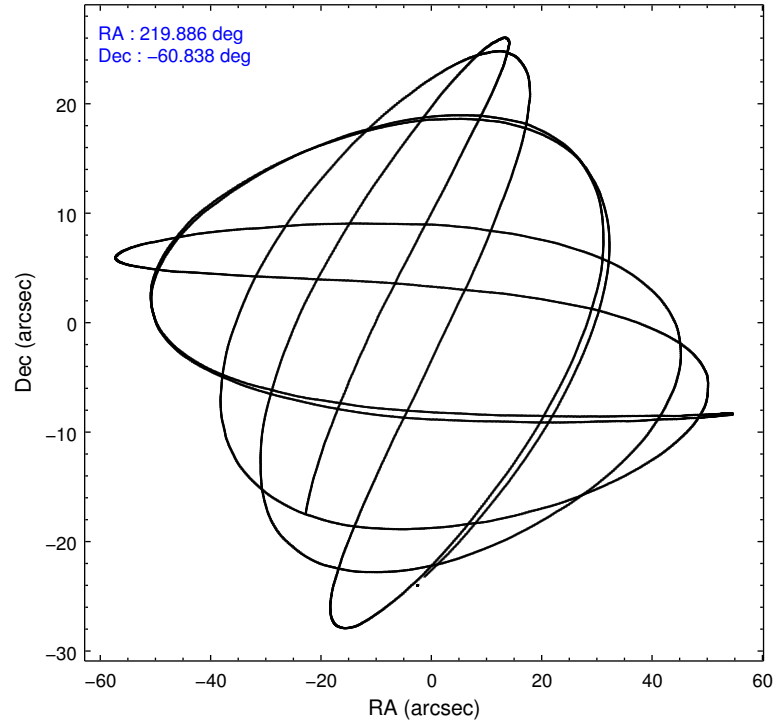
Level 1 Events

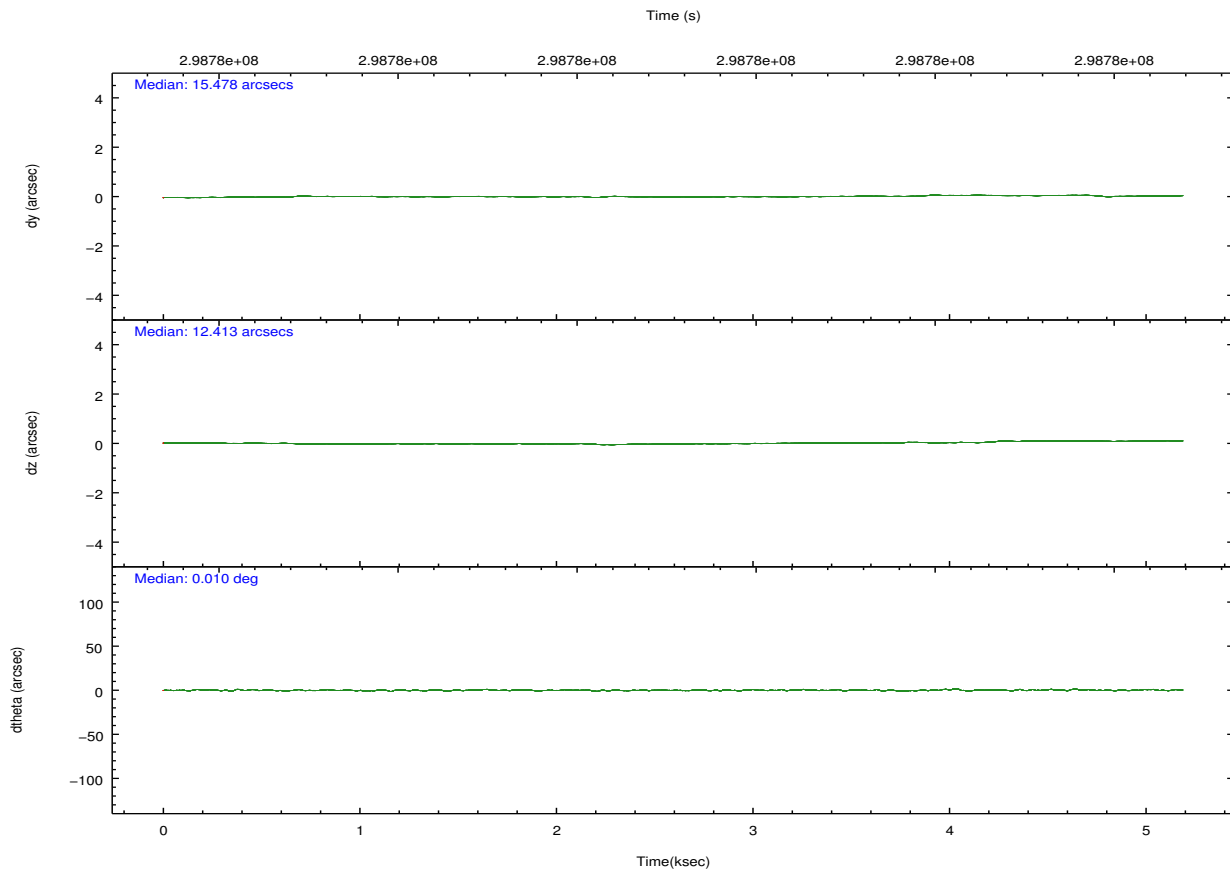
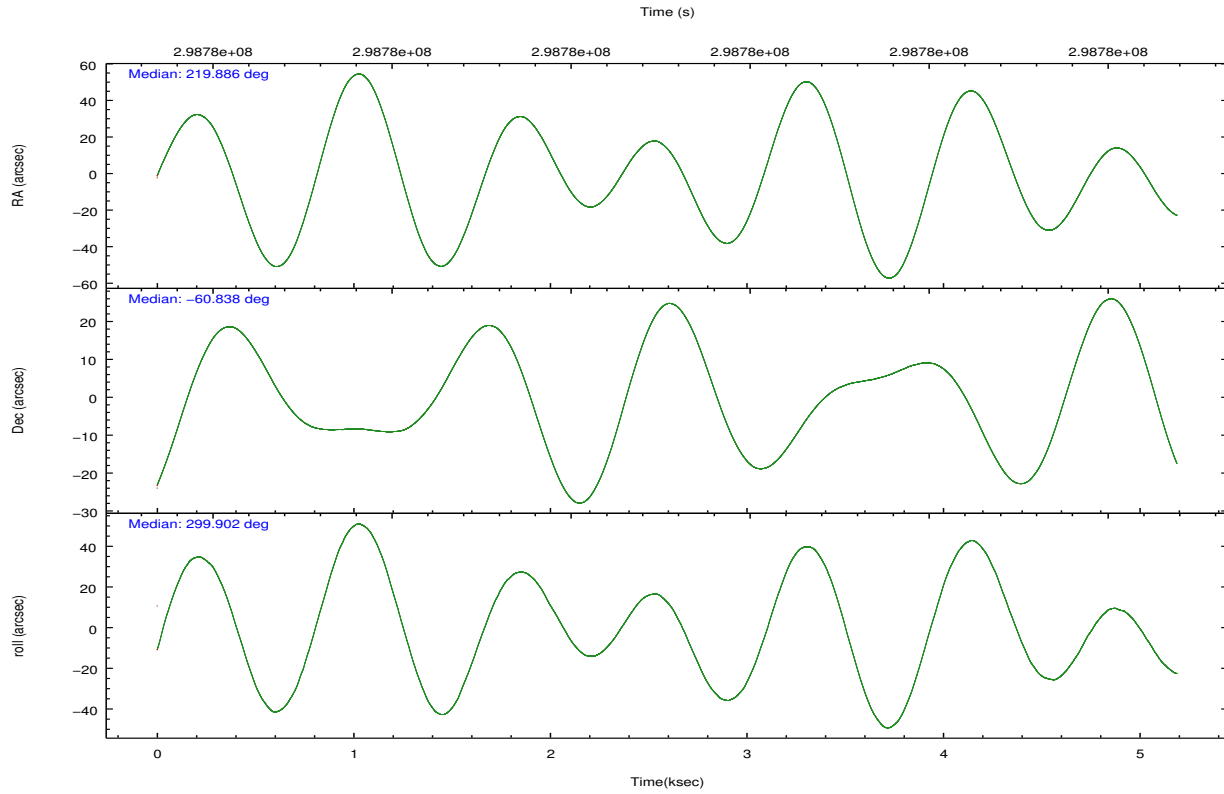
	segment 0
level 1 events	441410
rejected events	6276
rejected %	1%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	219.836920	219.8859674328068			
[deg] Pointing Dec	-60.824972	-60.83778275486275			
[deg] Pointing Roll	299.958378	299.905728566983			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	298775132.184000	298774691.47114			
Observation start date	2007-06-21T01:04:27	2007-06-21T00:58:11			
[s] Observation end time (MET)	298780132.184000	298780562.15892			
Observation end date	2007-06-21T02:27:47	2007-06-21T02:36:02			

2.3 Aspect



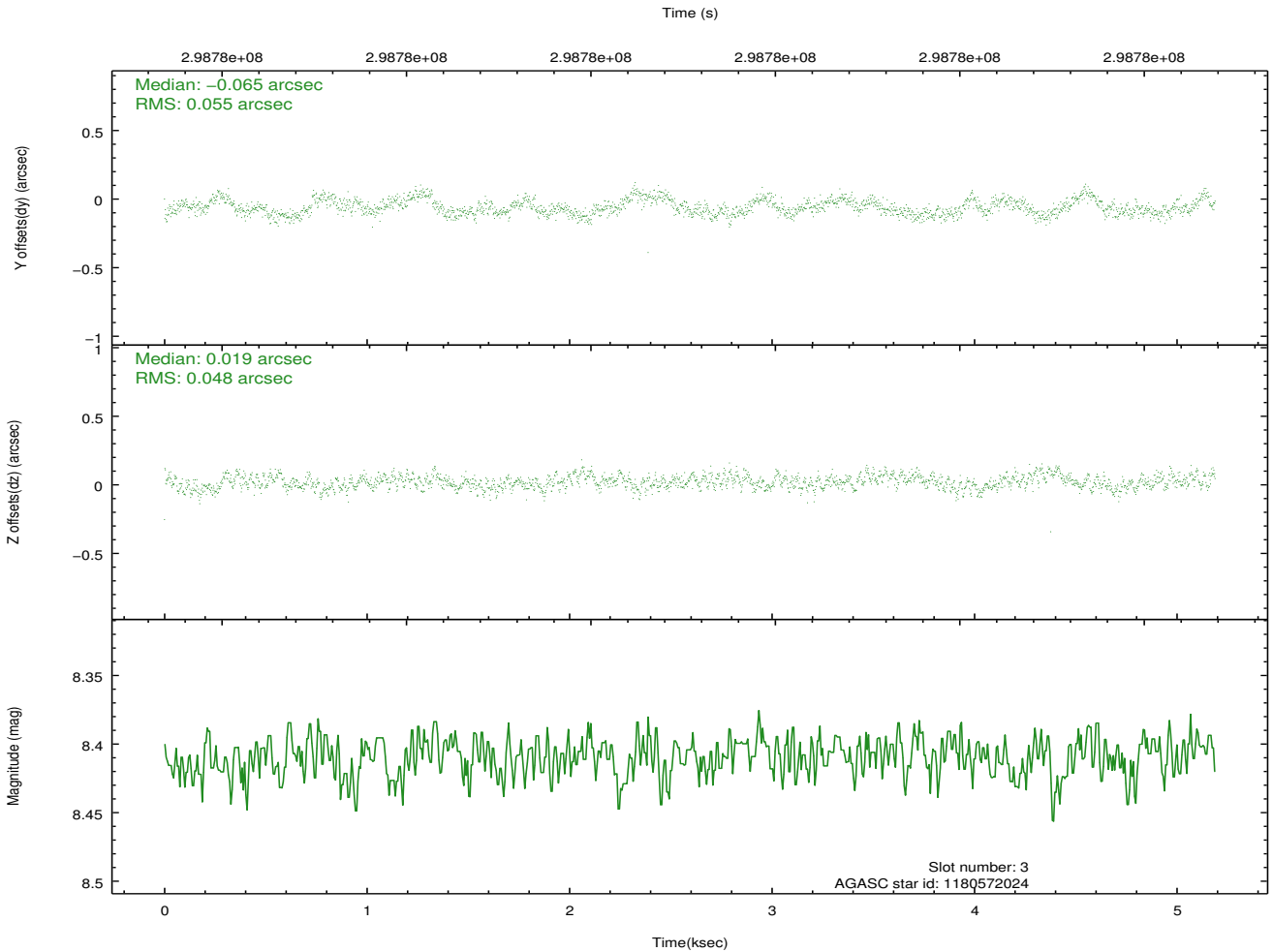
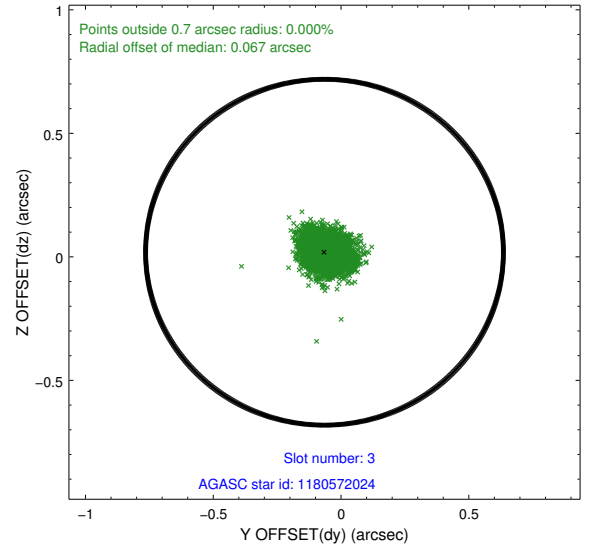
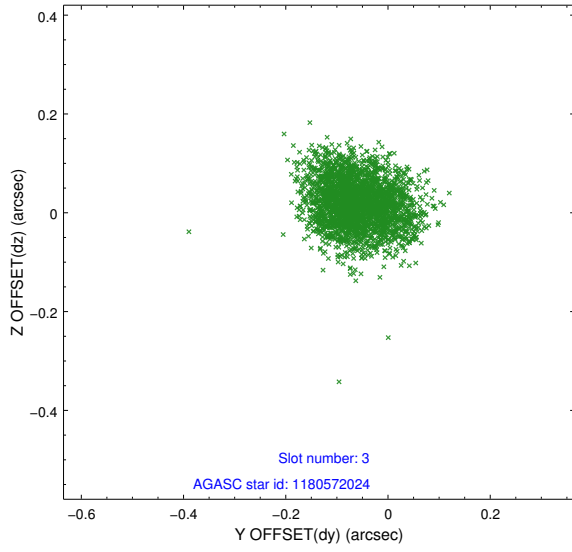


Slot Statistics

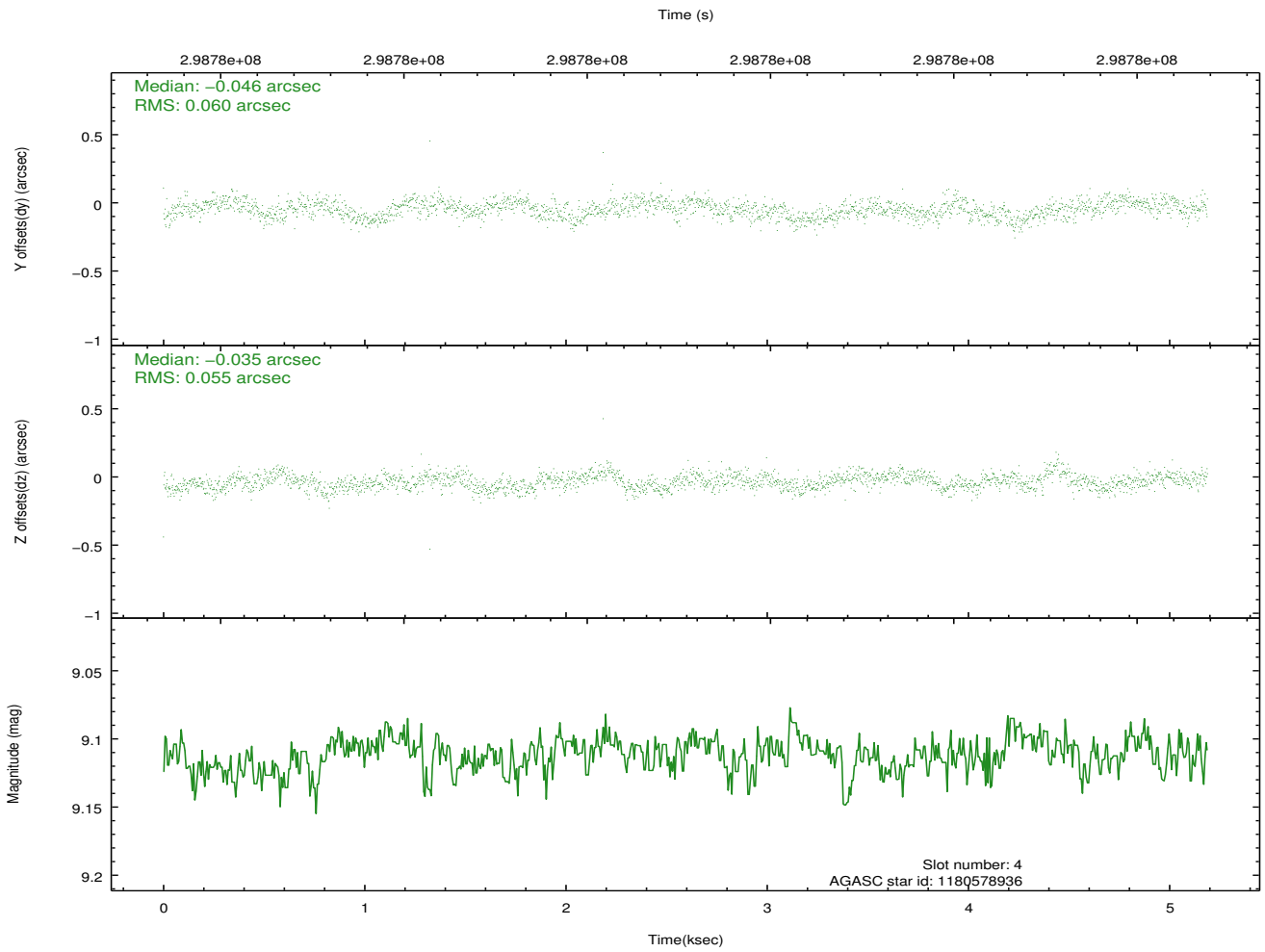
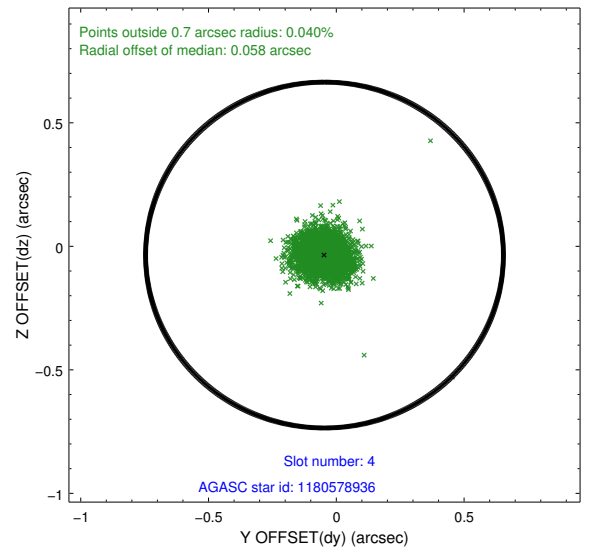
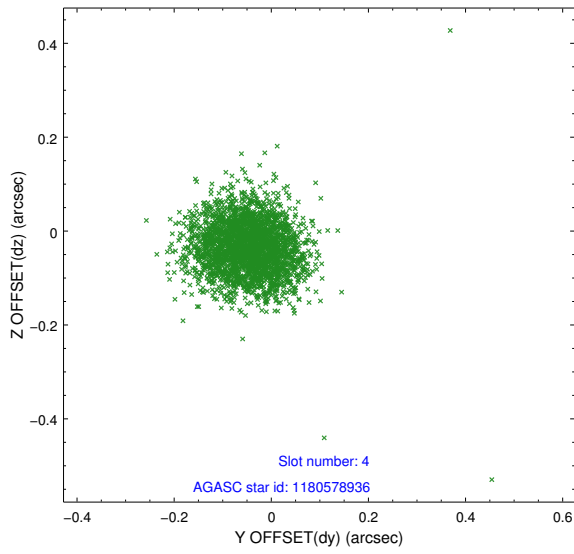
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.99	1266	0.116	-0.086	0.006	0.011	0.000000	0.000000	841.42	-1302.11
1	FID	HRC-I-3	7.04	1266	-0.098	0.051	0.006	0.010	0.000000	0.000000	-1199.20	1003.18
2	FID	HRC-I-4	6.98	1266	0.102	-0.052	0.006	0.011	0.000000	0.000000	1270.67	1002.45
3	GUIDE	1180572024	8.41	2529	-0.065	0.019	0.077	0.123	220.930377	-60.981487	1456.42	1364.47
4	GUIDE	1180578936	9.11	2531	-0.046	-0.035	0.085	0.134	220.919358	-61.155393	1984.33	1026.93
5	GUIDE	1180579504	9.60	2519	0.175	-0.156	0.131	0.221	219.500103	-61.658654	2316.28	-1998.59
6	GUIDE	1180589152	9.28	2532	-0.079	0.104	0.097	0.157	219.760705	-61.382926	1676.70	-1118.21
7	GUIDE	1180607728	9.31	2529	0.014	0.063	0.098	0.161	219.907127	-60.060122	-2320.89	1483.12

2.4 Star Slots

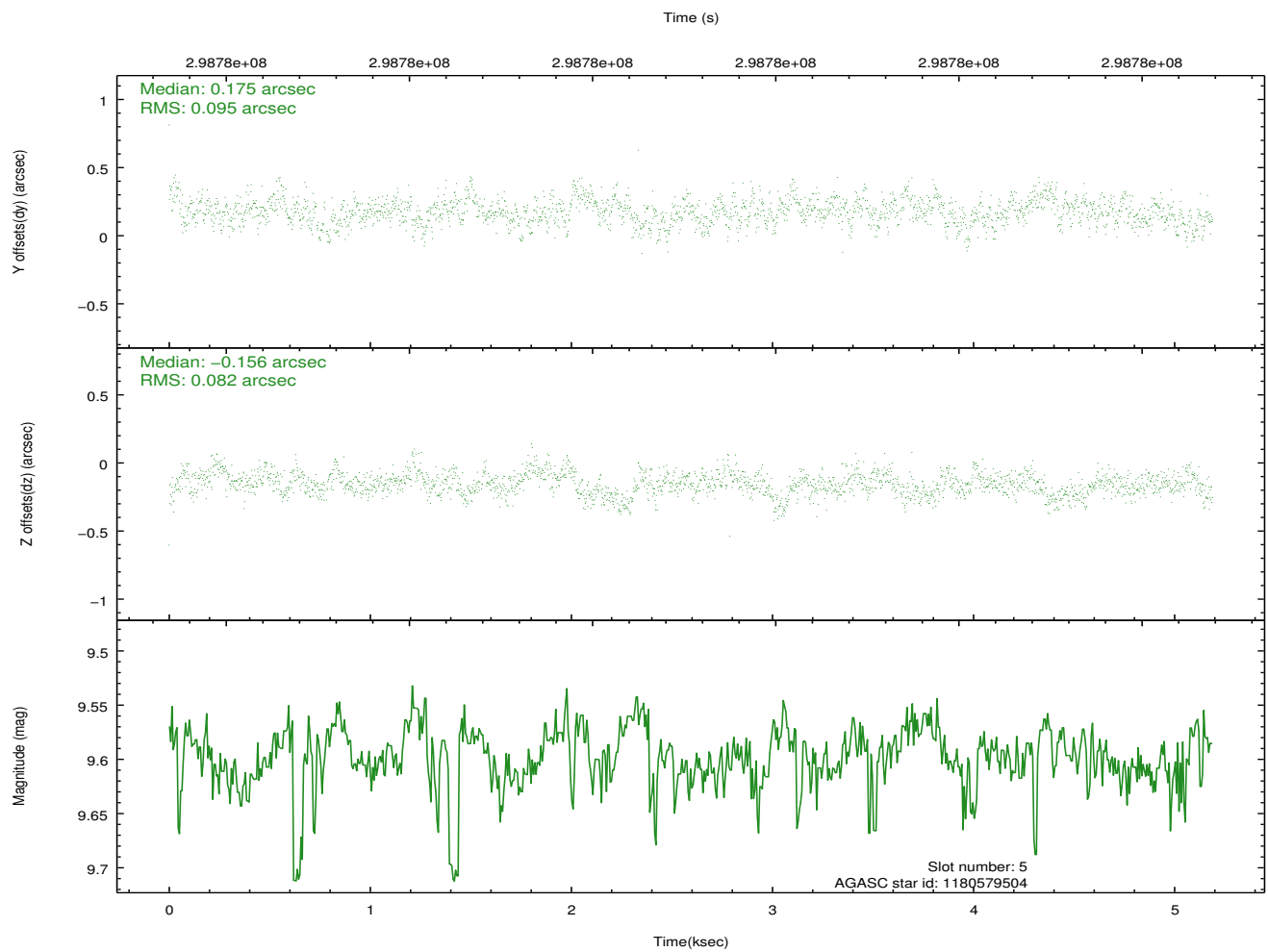
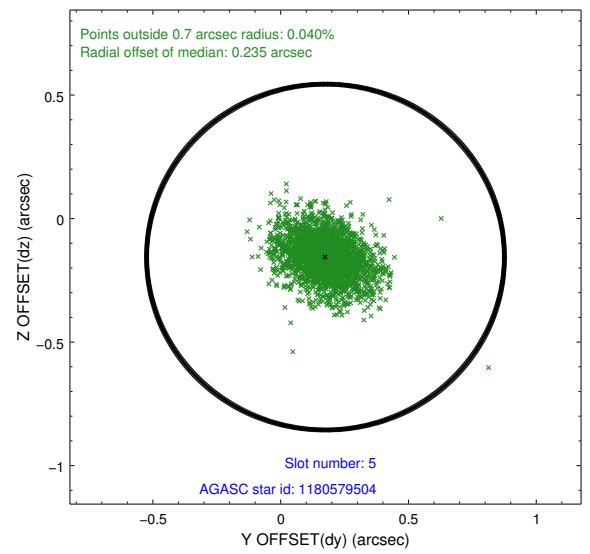
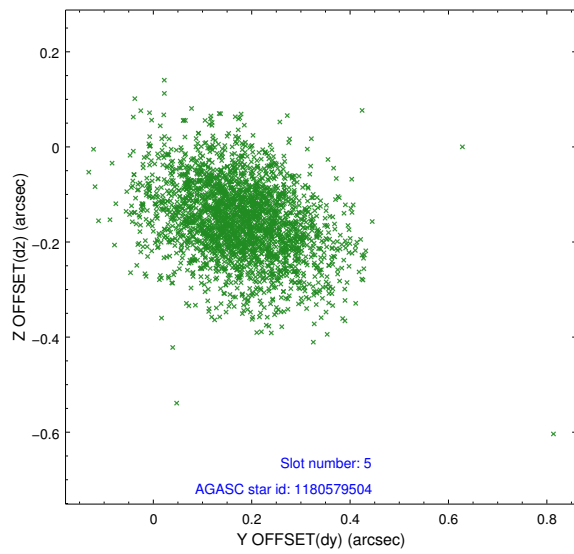
2.4.1 Slot 3



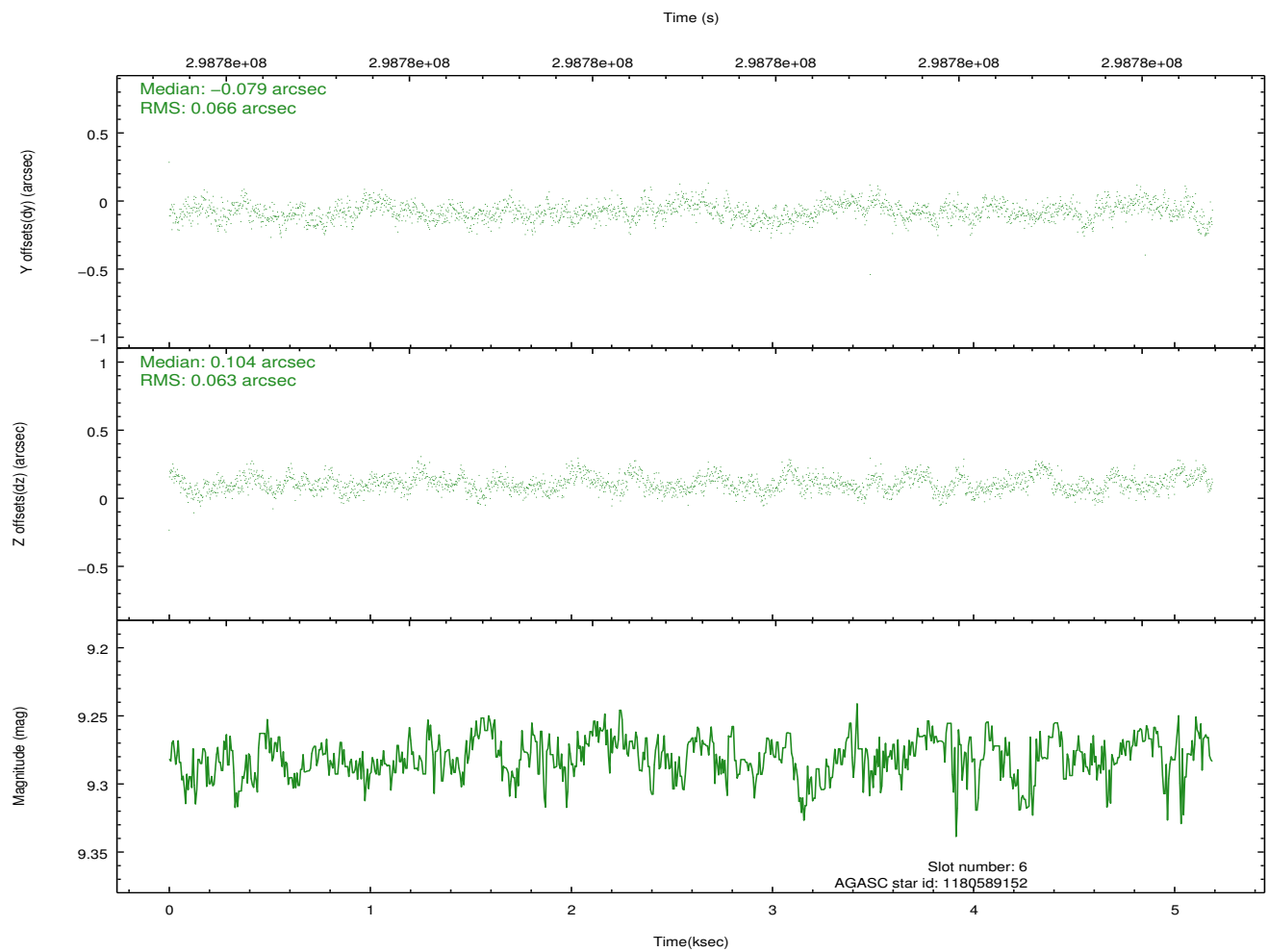
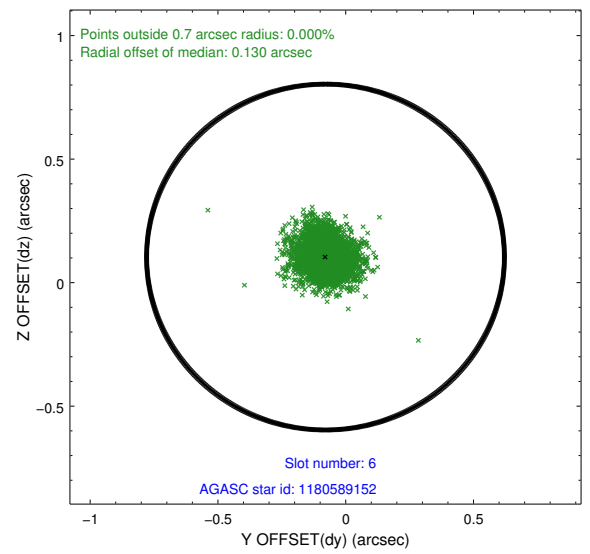
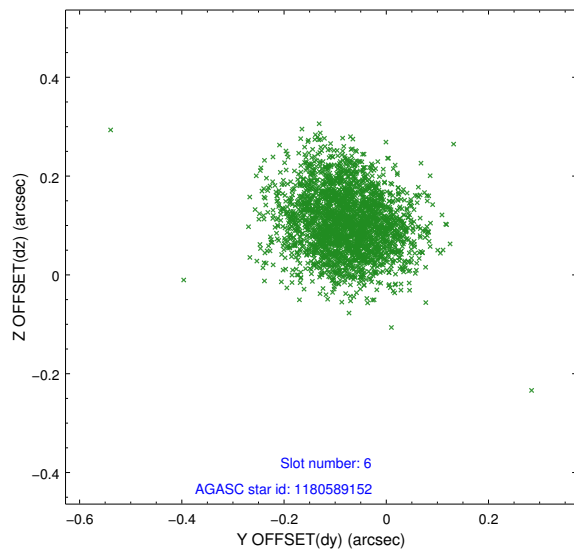
2.4.2 Slot 4



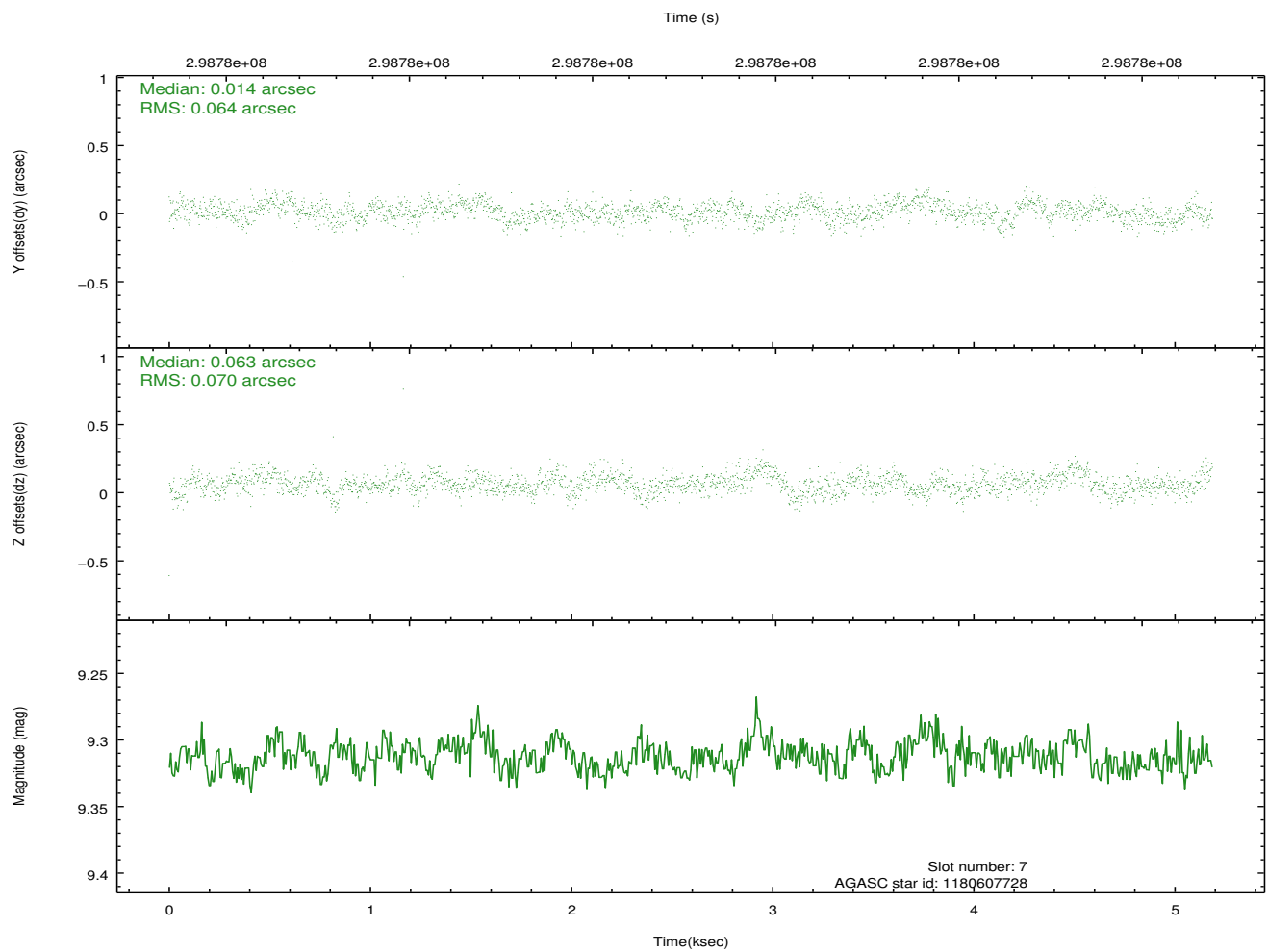
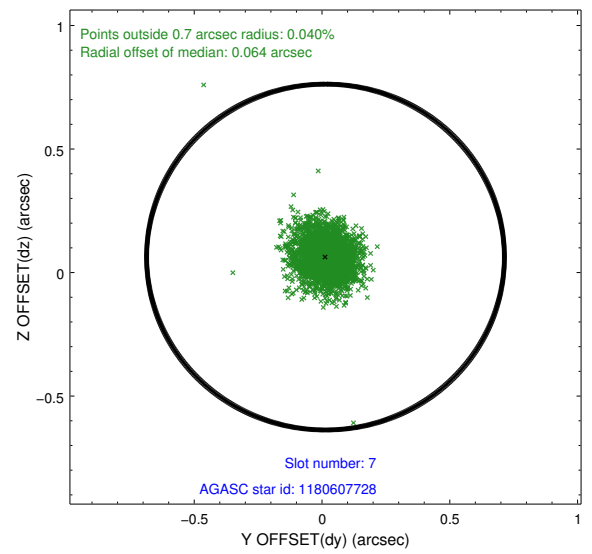
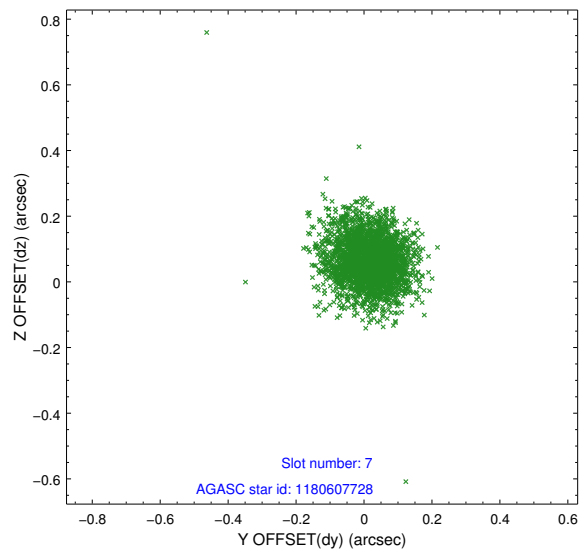
2.4.3 Slot 5



2.4.4 Slot 6

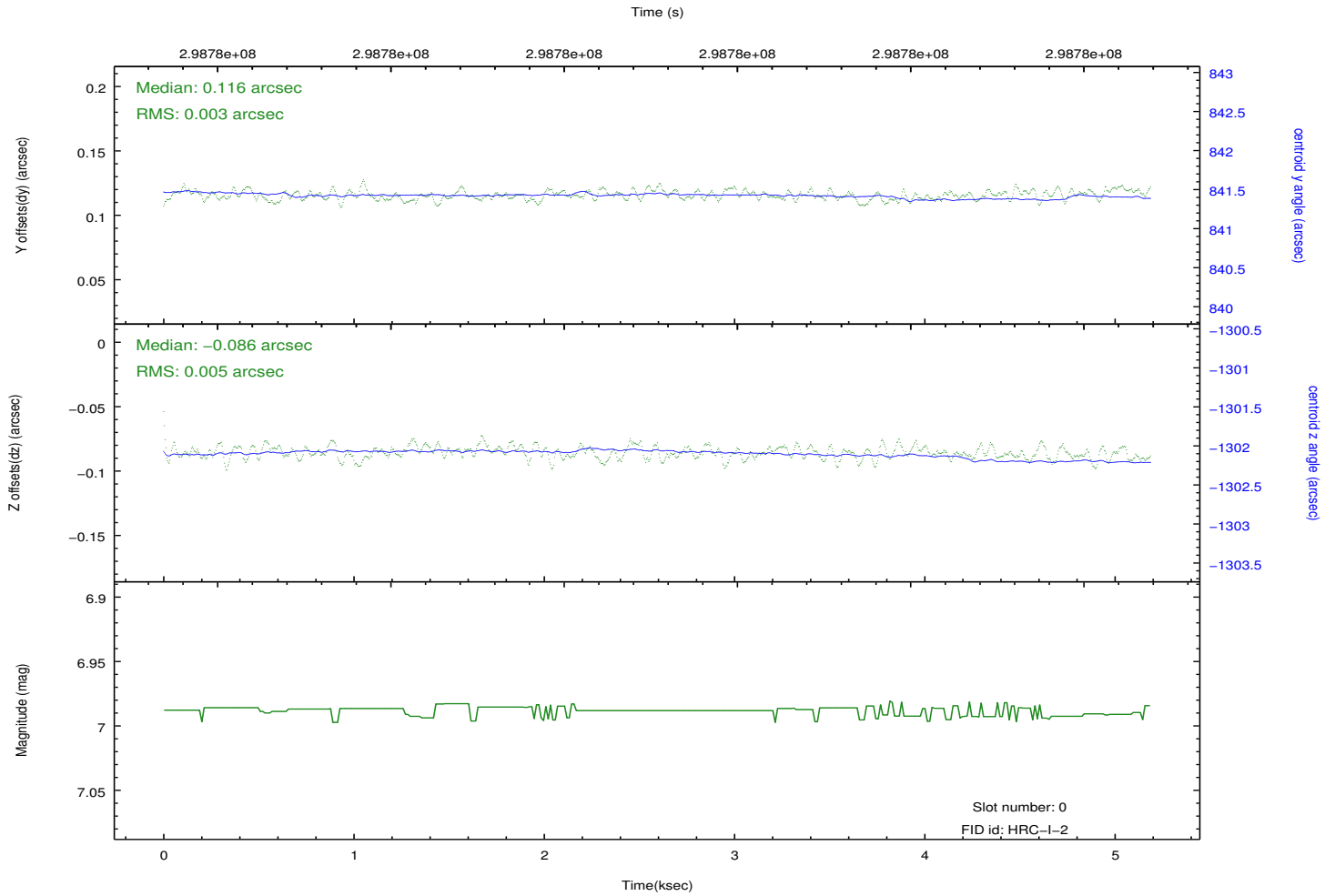
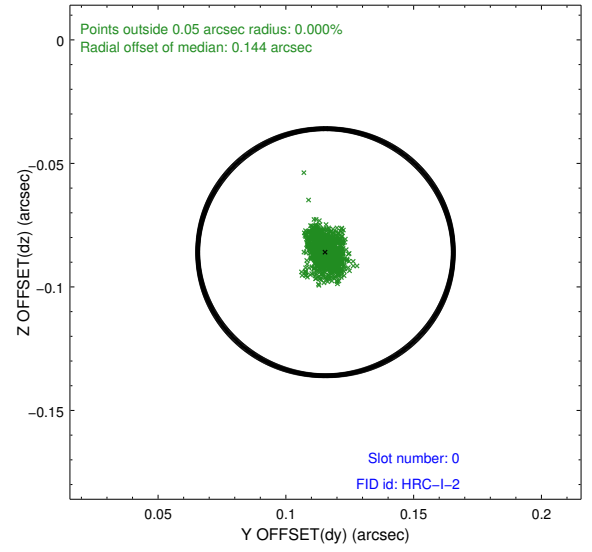
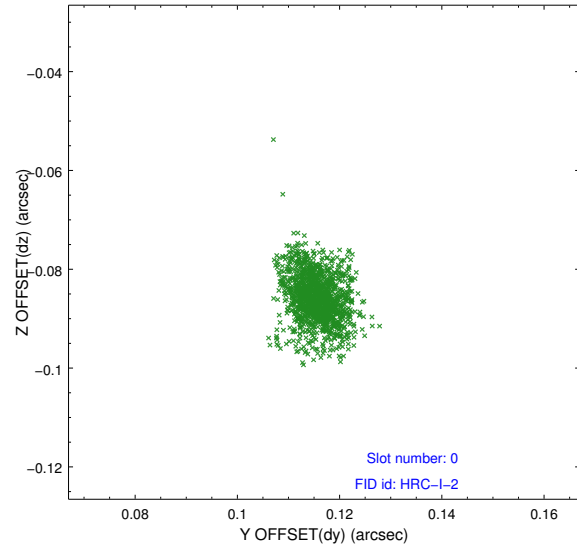


2.4.5 Slot 7

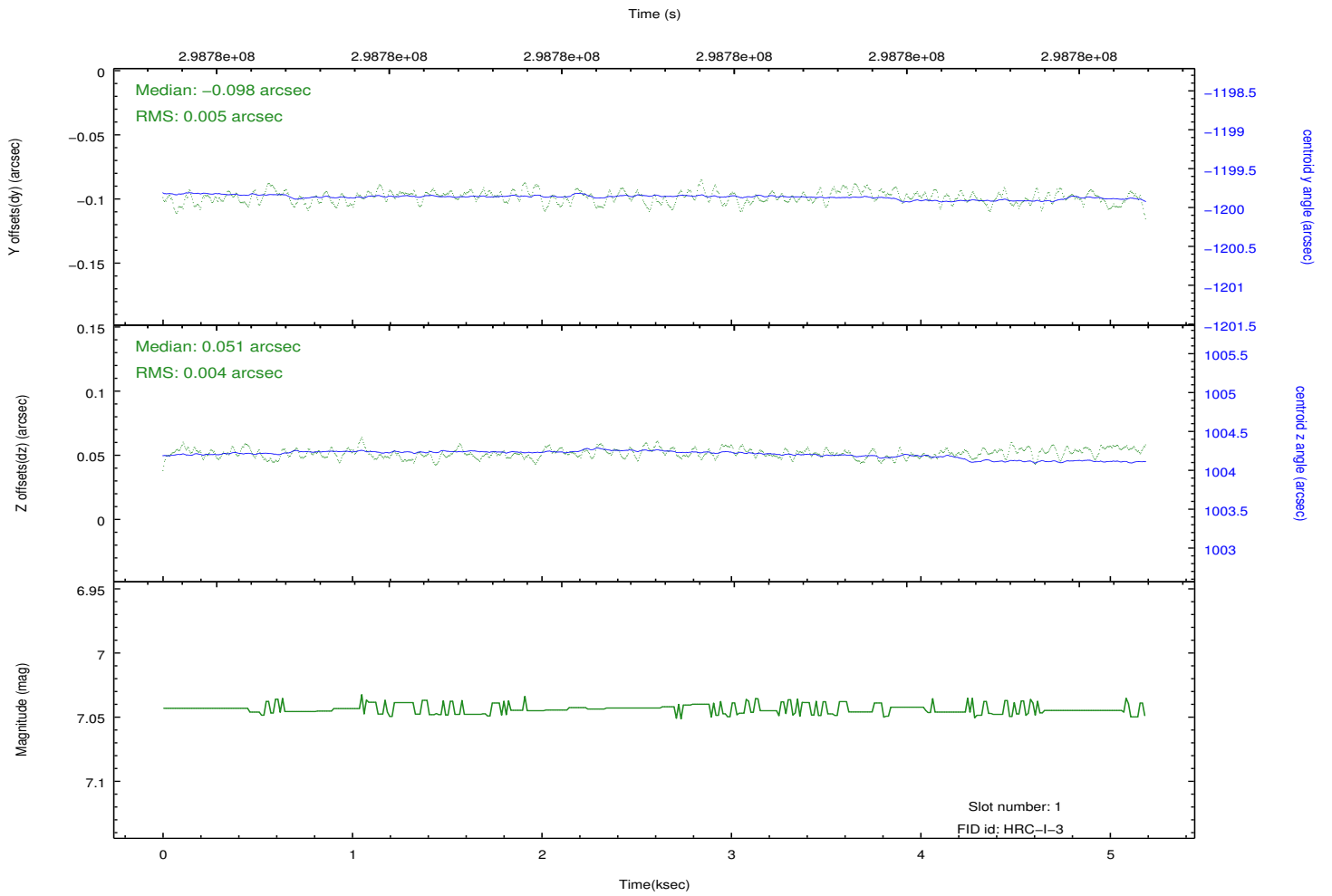
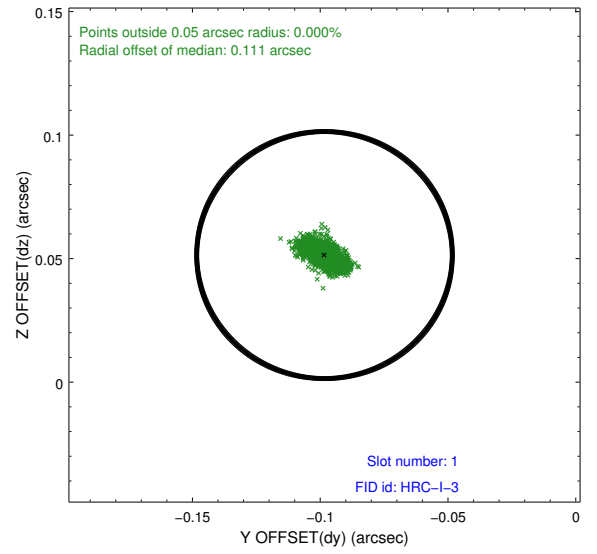
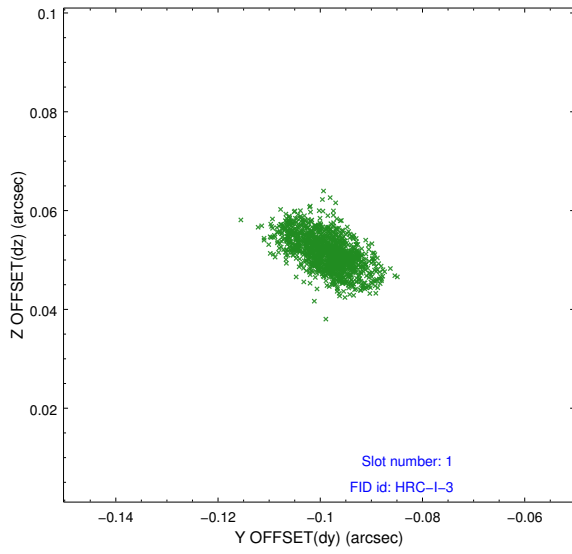


2.5 FID Slots

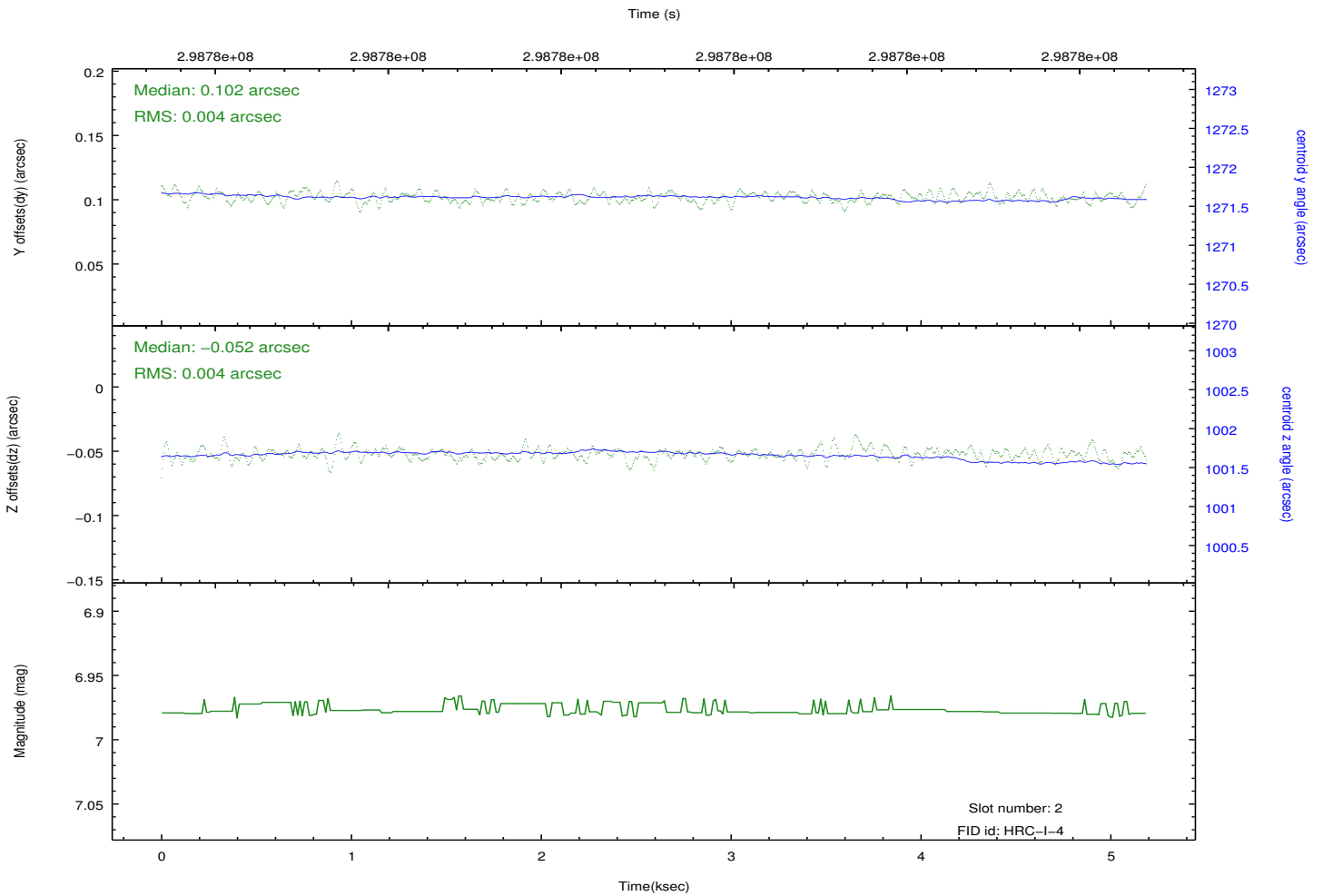
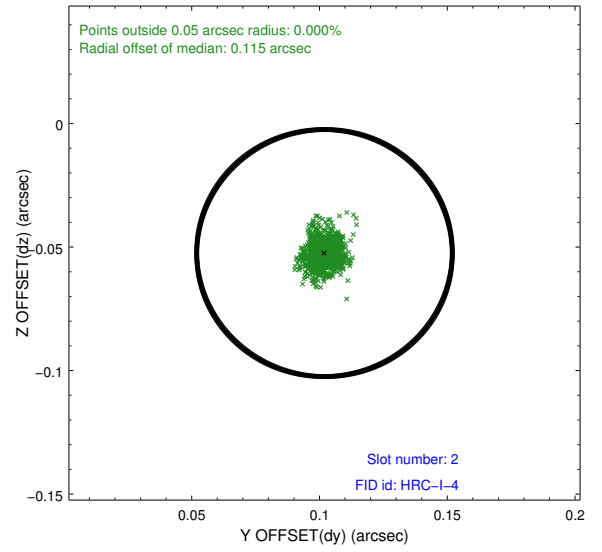
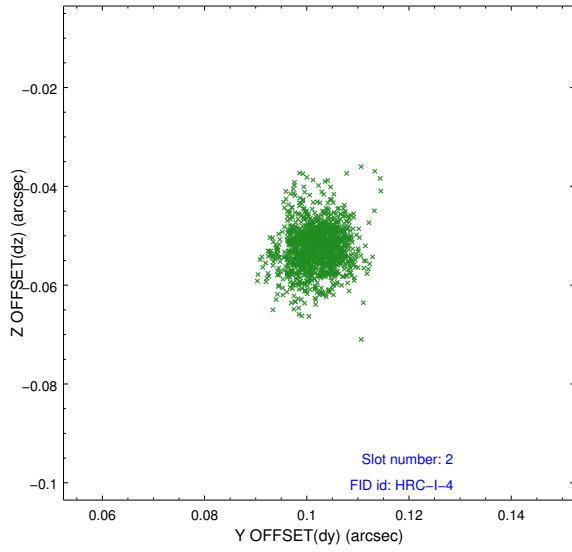
2.5.1 Slot 0



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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.09553149

A.2 Comments

Window preference met.