

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21573 - L2 Version 1
Chandra X-Ray Center

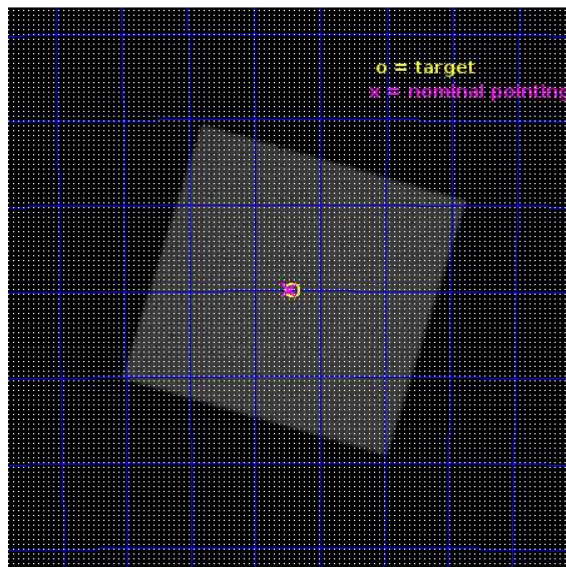
L2 Processing Date : May 23 2019

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

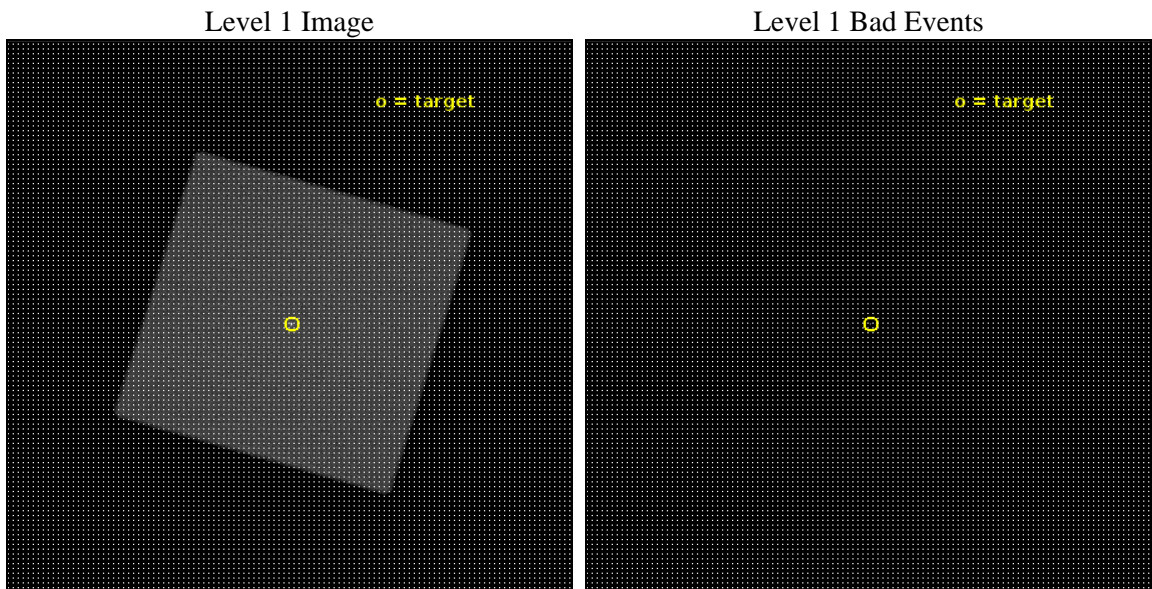
seq_num	201250	Sequence number
obs_id	21573	Observation id
title	Stellar X-ray Cycles: the Shape of Things to Come	Proposal title
observer	THOMAS AYRES	Principal investigator
object	ALPHA CEN	Source name
ra_targ	219.85625	Observer's specified target RA [deg]
dec_targ	-60.832167	Observer's specified target Dec [deg]
ra_nom	219.86696920745	Nominal RA [deg]
dec_nom	-60.831392921951	Nominal Dec [deg]
roll_nom	331.78693774313	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5173.1753101349	[s]
livetime	5099.6995893604	Ontime multiplied by DTCOR
l2events	645447	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	5173.1753101349	[s]
caldbver	4.8.2	 	l1events	960756	Number of level 1 events
date	2019-05-24T00:25:05	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

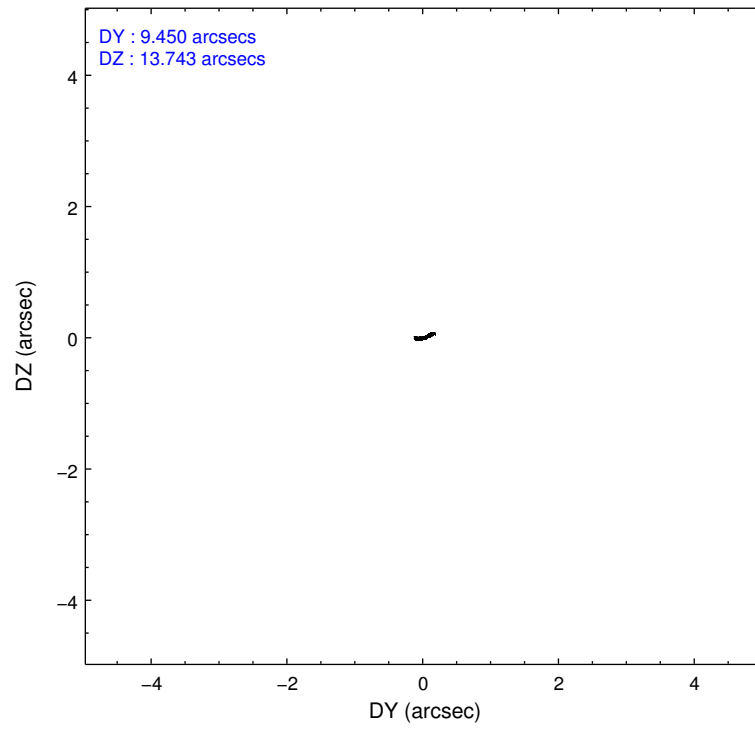
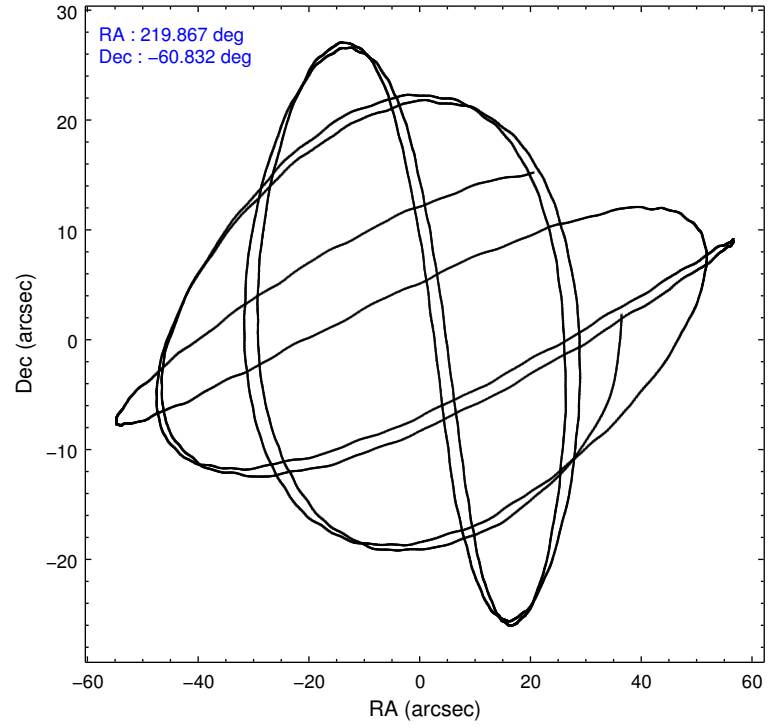
Level 1 Events

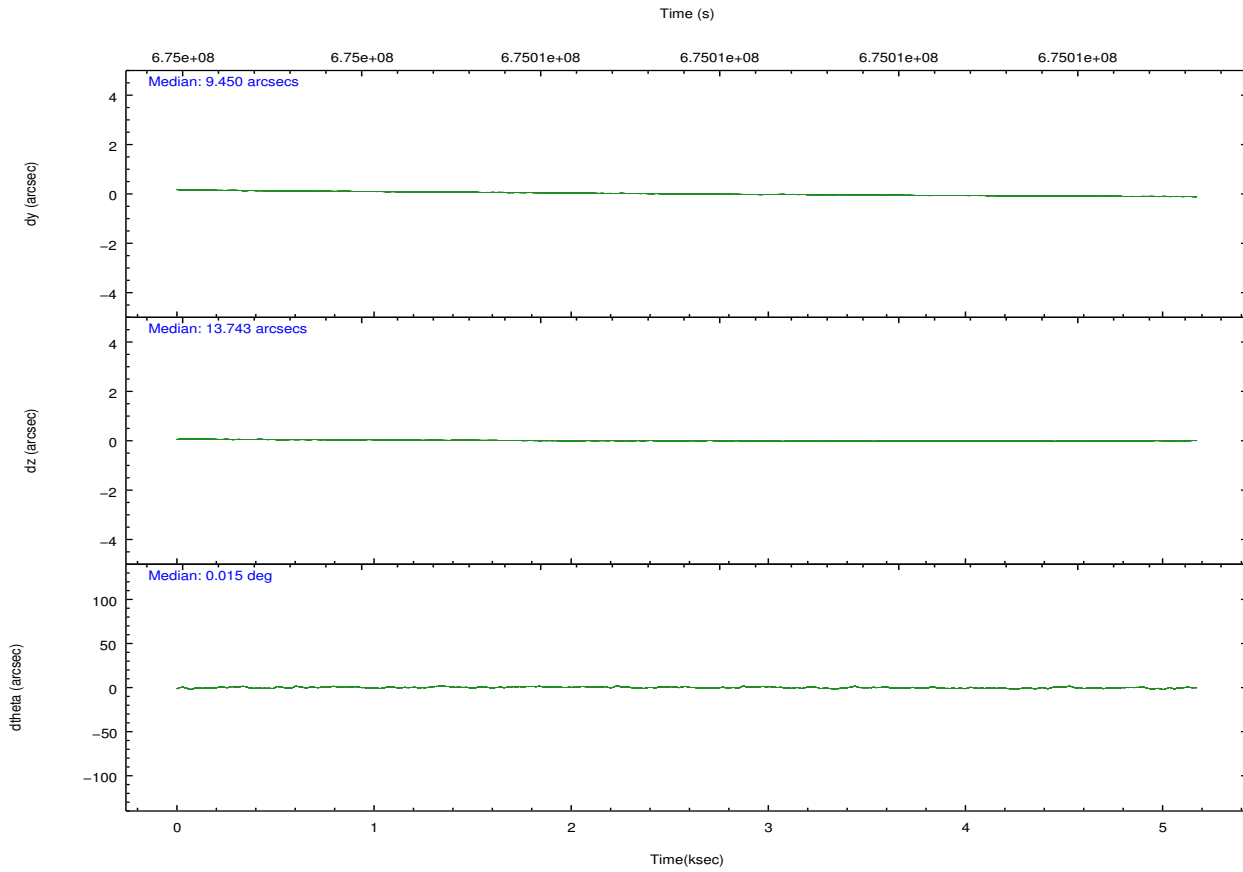
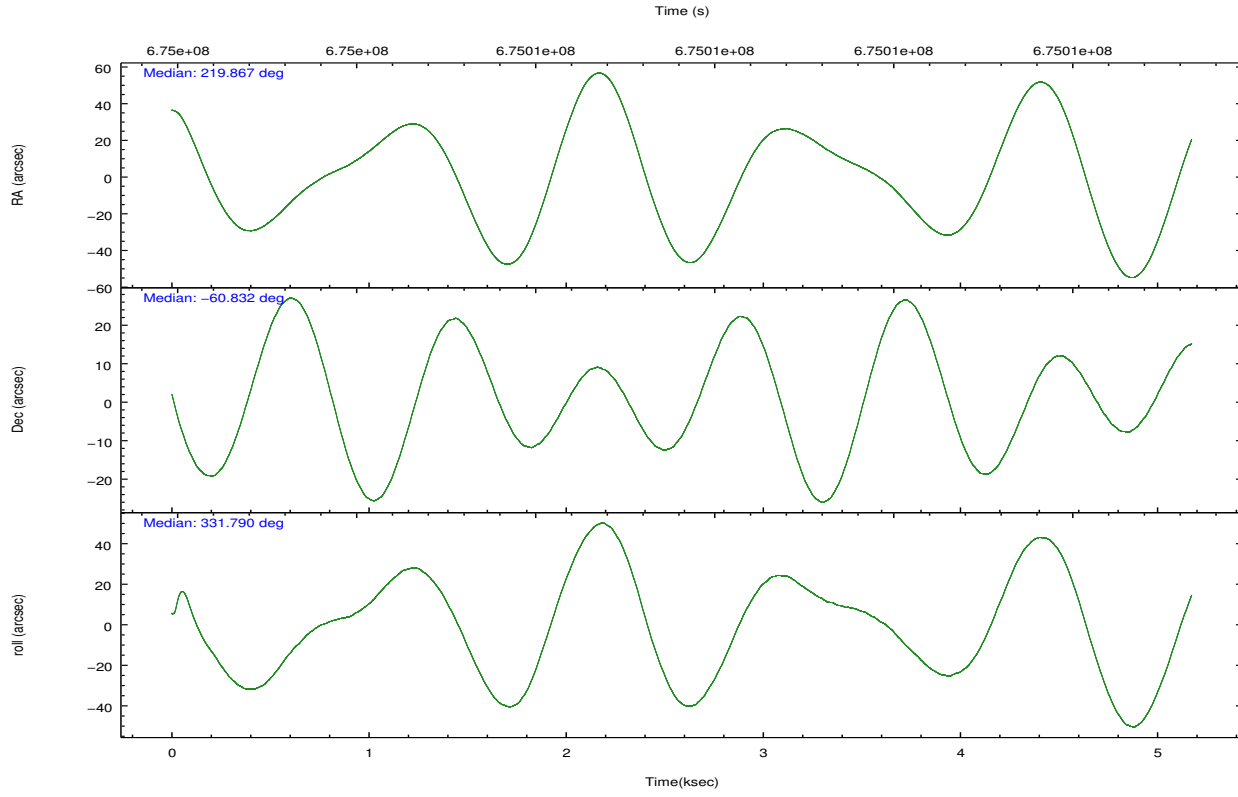
	segment 0
level 1 events	960756
rejected events	118291
rejected %	12%

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	219.811520	219.8669692074523			
[deg] Pointing Dec	-60.832805	-60.83139292195126			
[deg] Pointing Roll	331.834044	331.7869377431313			
[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)	675004413.184000	675003539.69871			
Observation start date	2019-05-23T13:12:24	2019-05-23T12:58:59			
[s] Observation end time (MET)	675009413.184000	675010366.71162			
Observation end date	2019-05-23T14:35:44	2019-05-23T14:52:46			

2.3 Aspect



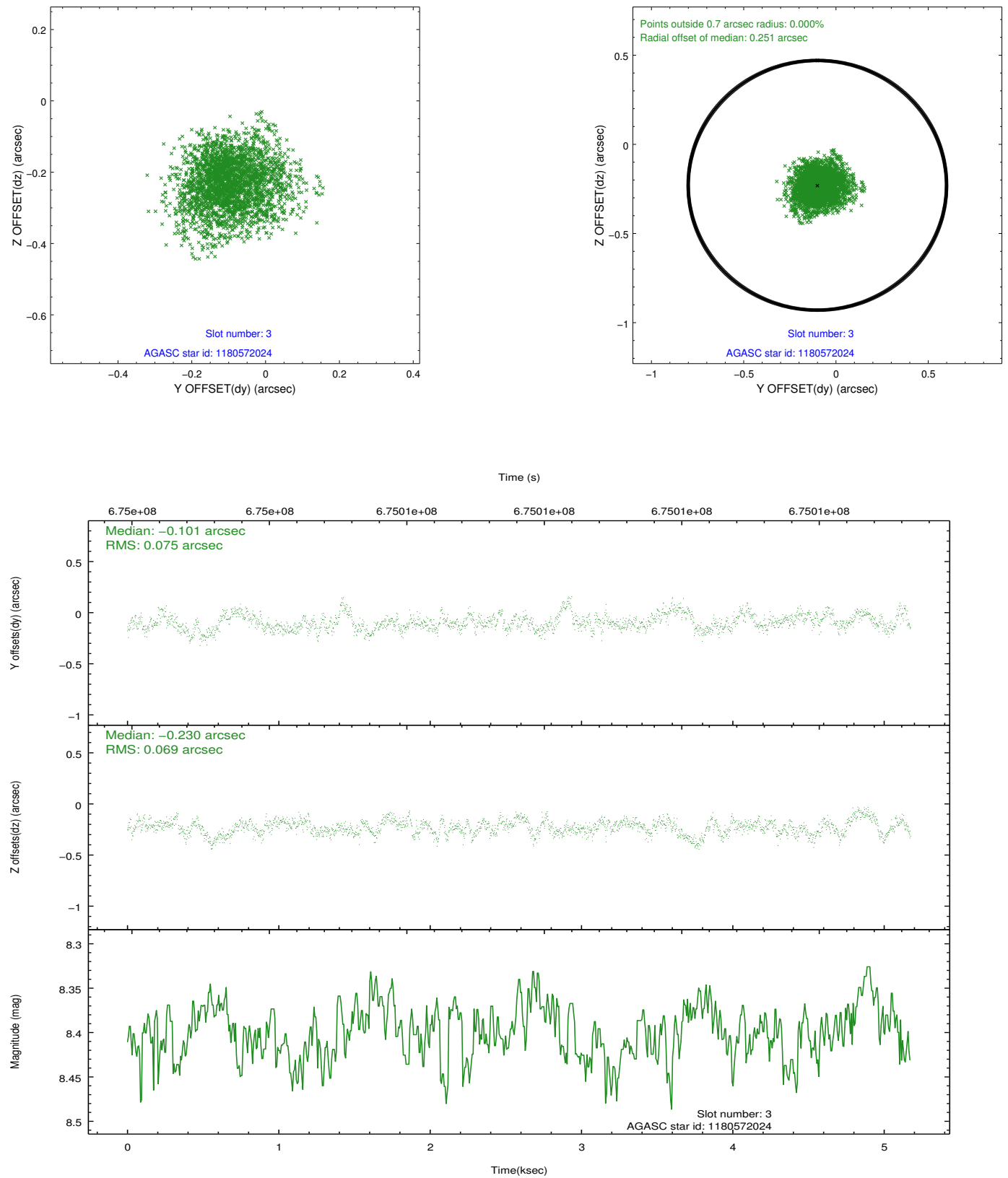


Slot Statistics

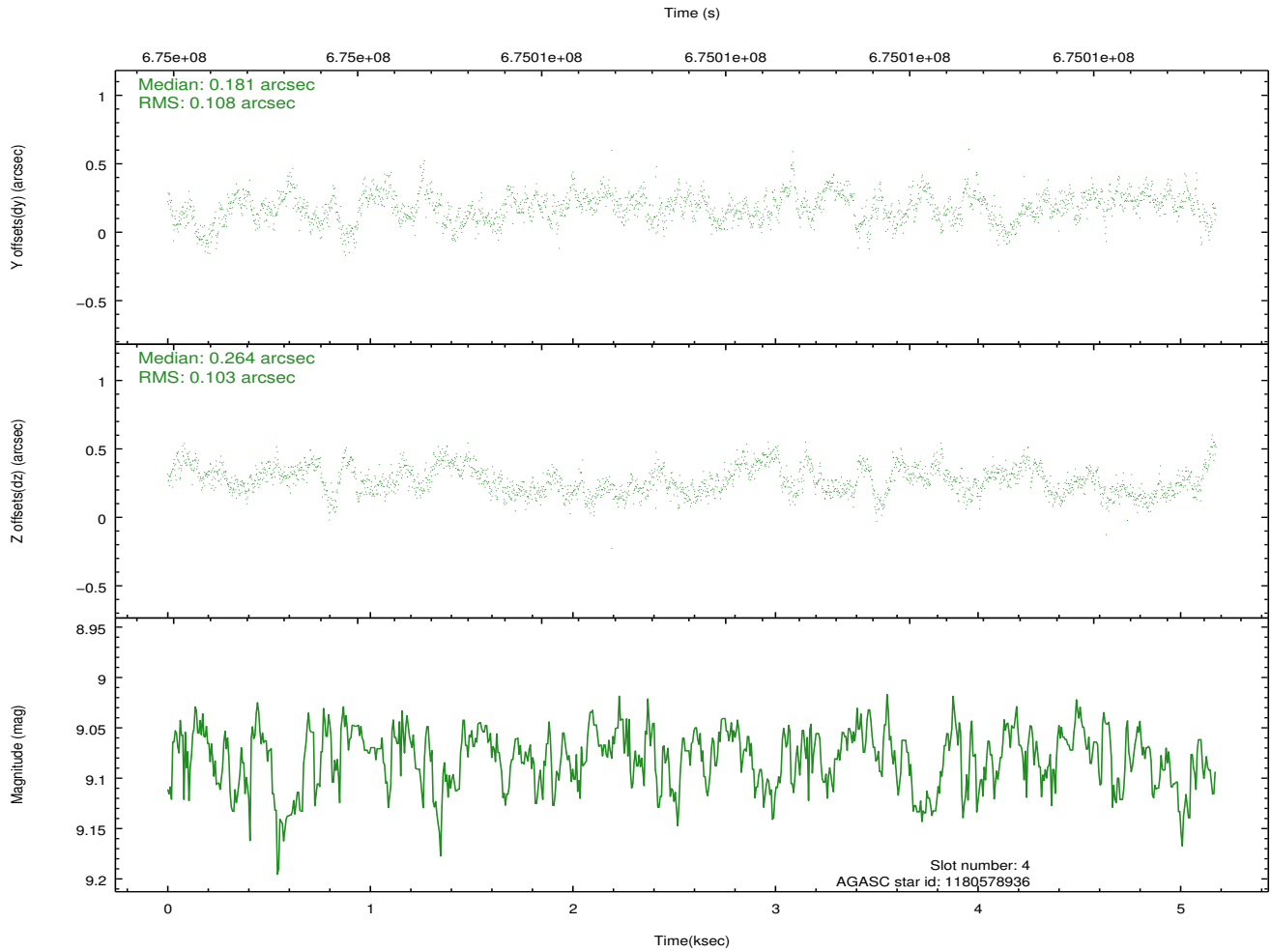
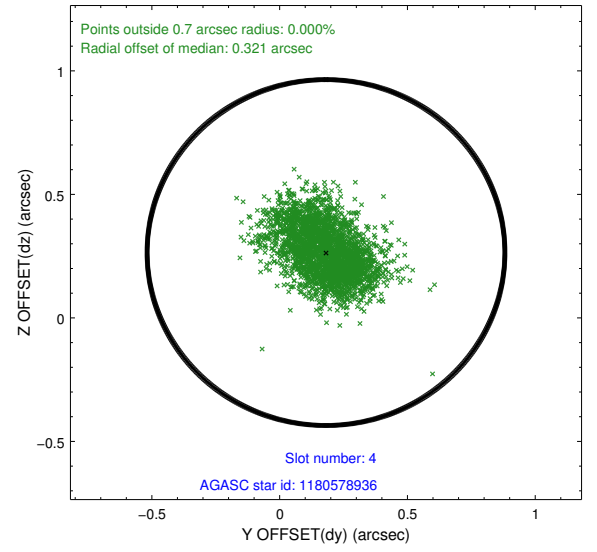
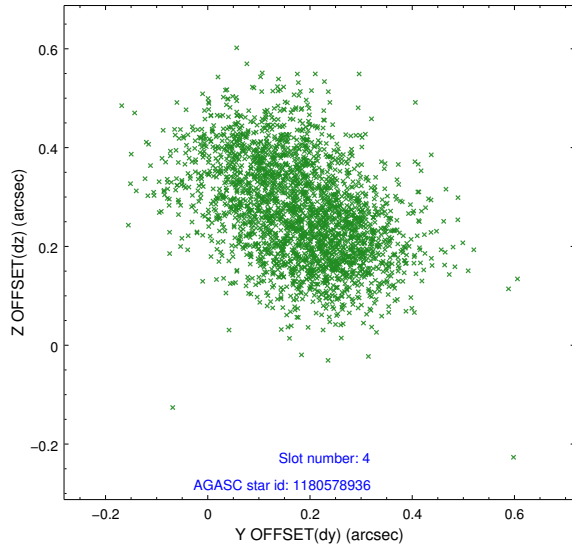
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.97	1262	1.000	-0.311	-0.203	0.009	0.015	0.000000	0.000000	-765.57	-1301
1	FID		HRC-I-2	7.00	1262	1.000	0.235	-0.047	0.011	0.017	0.000000	0.000000	847.00	-1304
2	FID		HRC-I-4	6.99	1262	1.000	0.192	0.158	0.008	0.012	0.000000	0.000000	1278.66	999
3	GUIDE	used	1180572024	8.40	2523	1.000	-0.101	-0.230	0.109	0.178	220.930377	-60.981487	1983.88	436
4	GUIDE	used	1180578936	9.08	2523	1.000	0.181	0.264	0.157	0.256	220.919358	-61.155393	2253.62	-129
5	GUIDE	used	1180585720	6.82	2523	1.000	0.118	0.182	0.087	0.141	218.874235	-60.641928	-1775.14	-184
6	GUIDE	used	1180589192	8.76	2523	1.000	0.207	0.050	0.130	0.215	218.755496	-60.392327	-2396.78	498
7	GUIDE	used	1180612104	8.94	2523	1.000	-0.413	-0.265	0.177	0.280	220.502279	-60.631704	736.11	1208

2.4 Star Slots

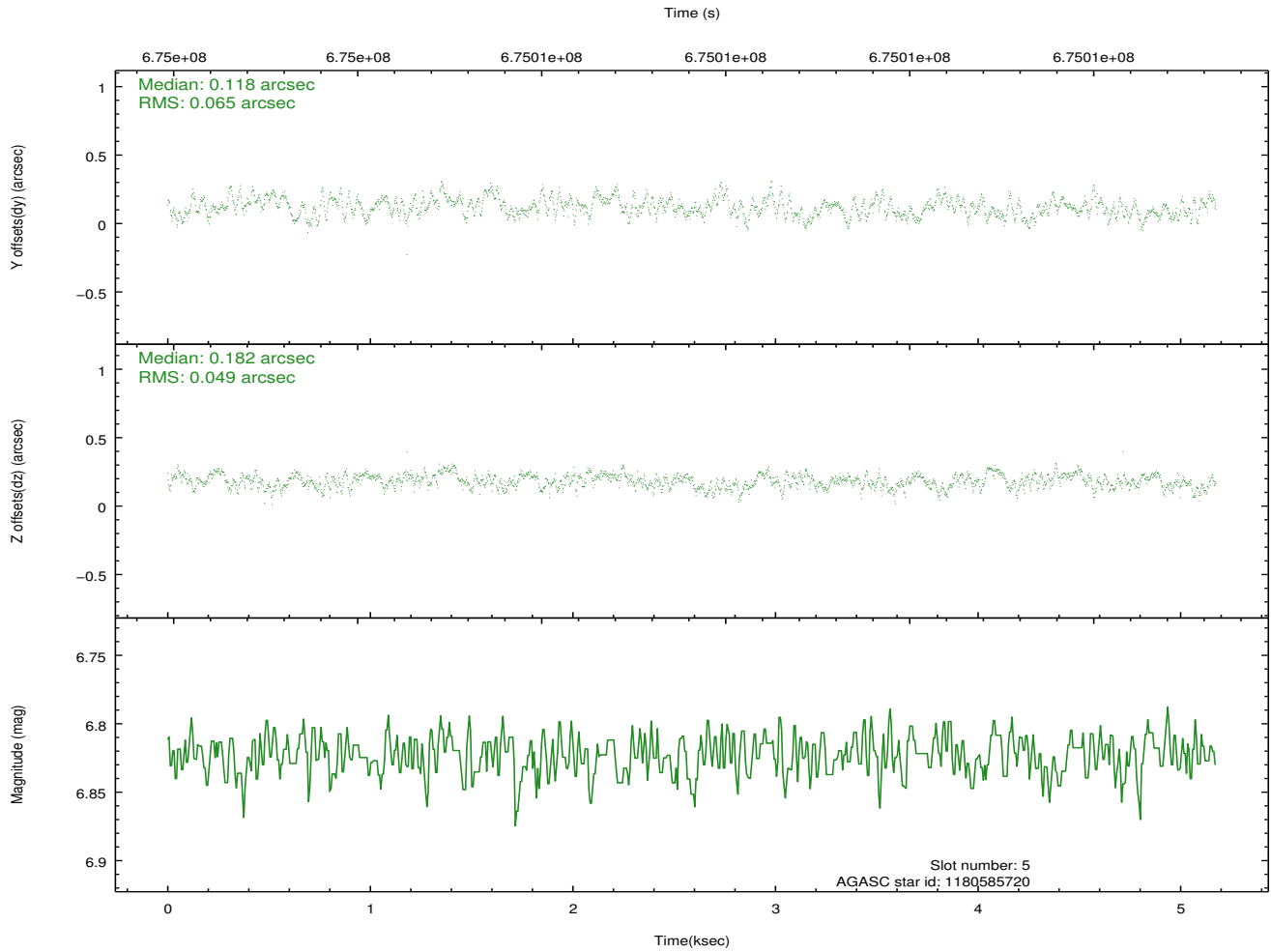
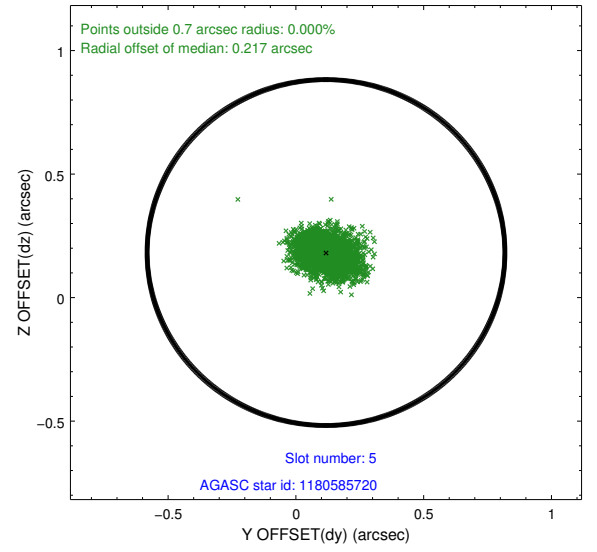
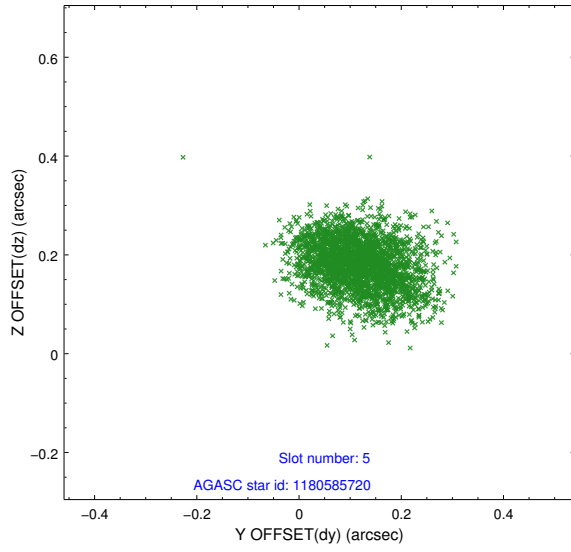
2.4.1 Slot 3



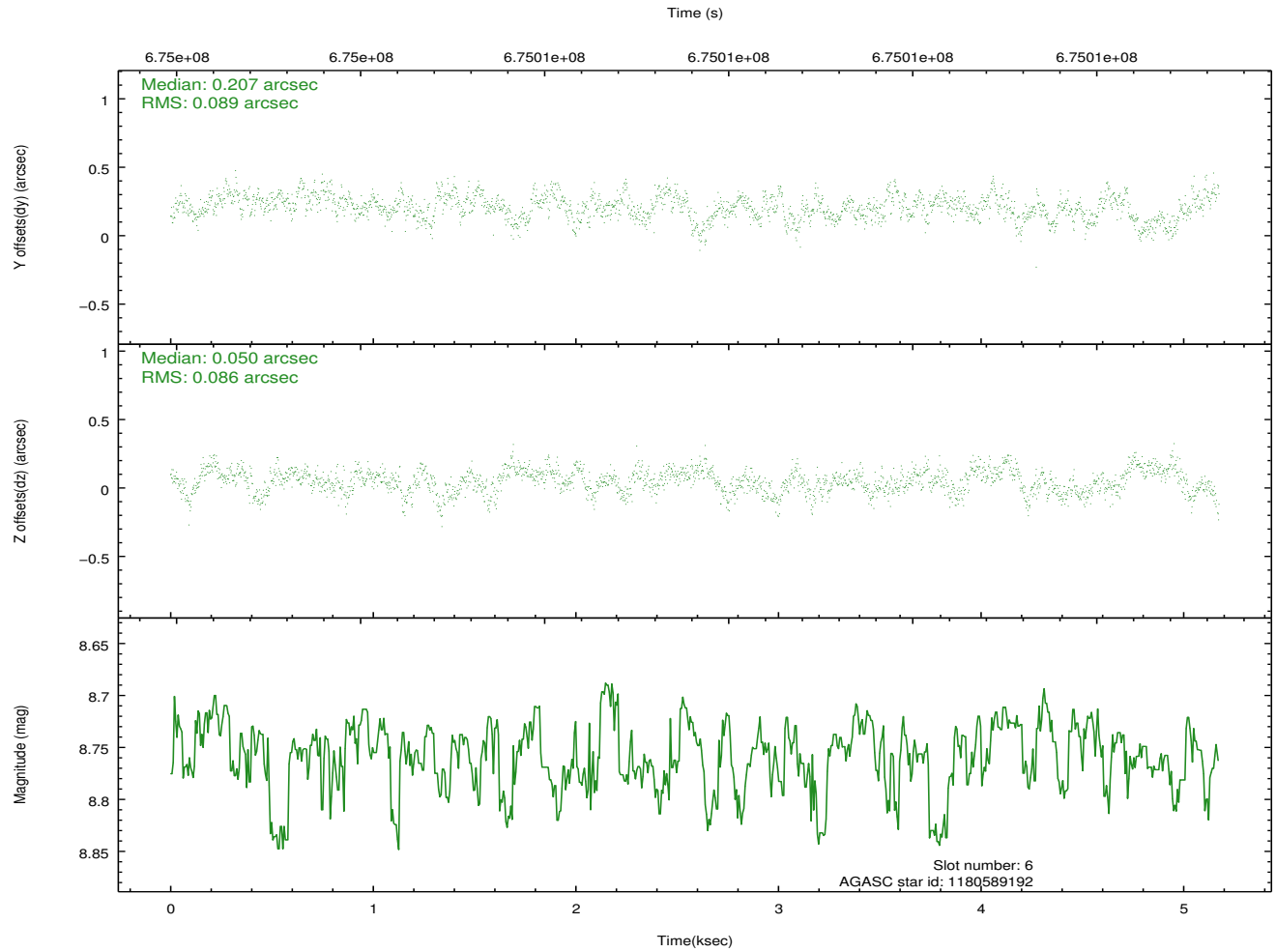
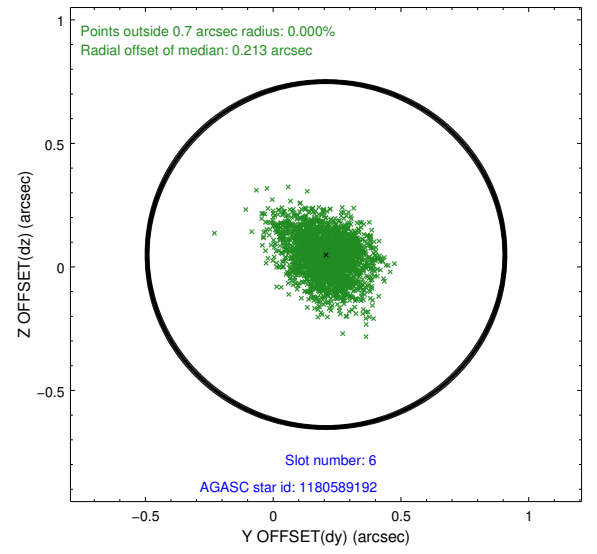
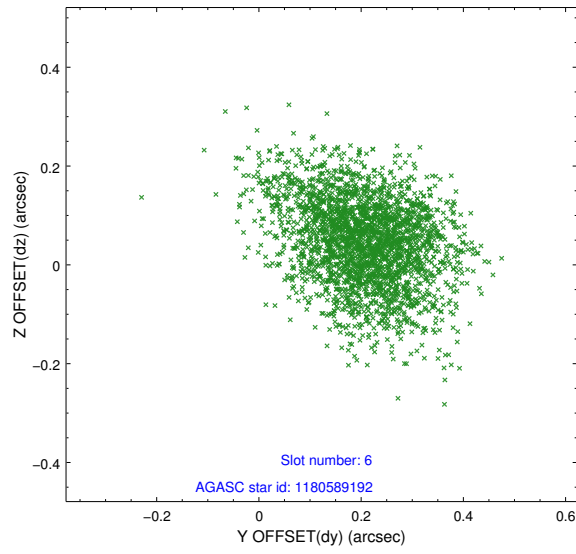
2.4.2 Slot 4



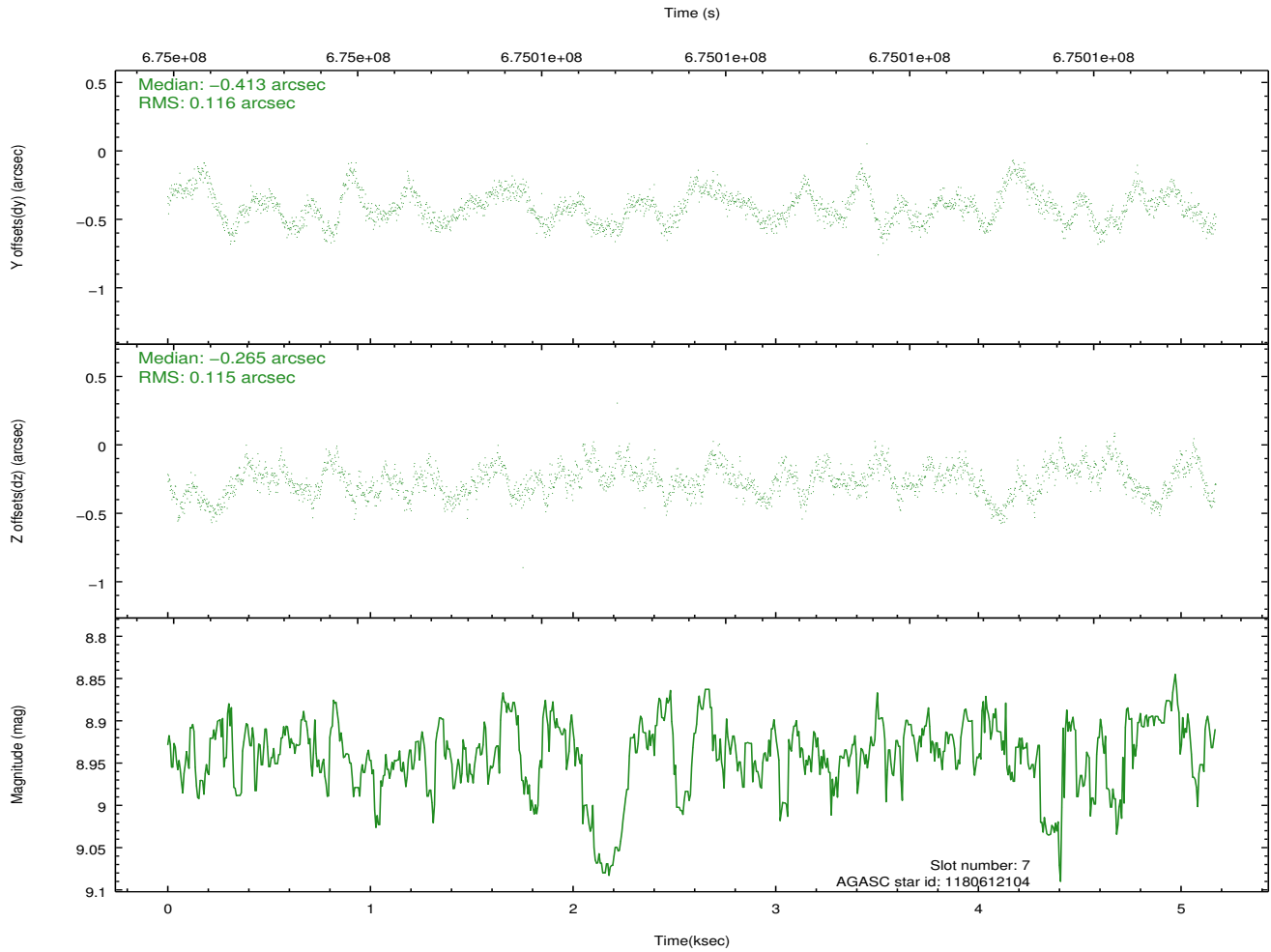
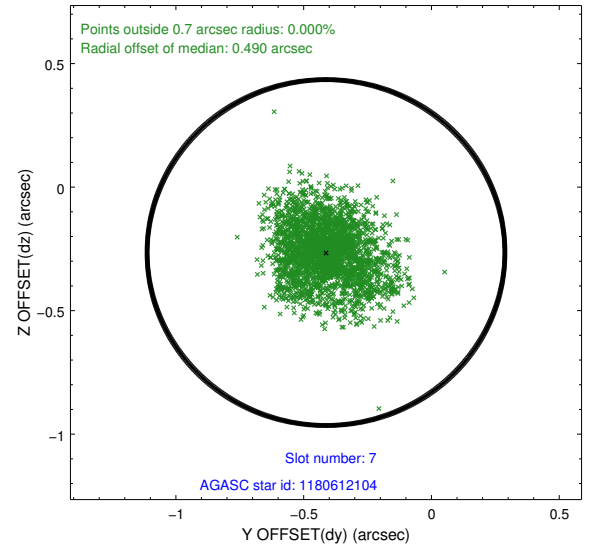
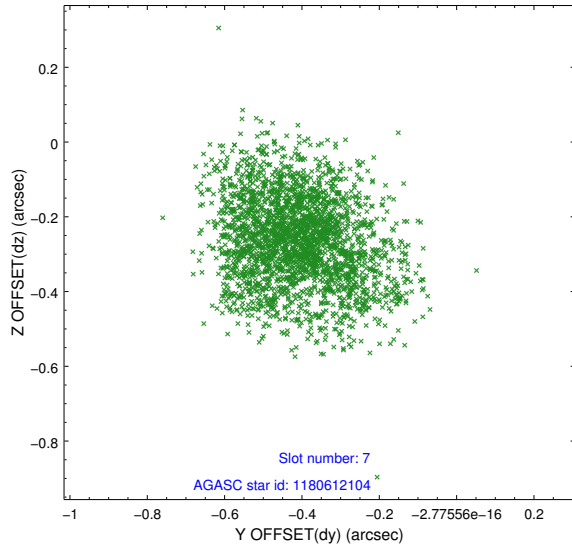
2.4.3 Slot 5



2.4.4 Slot 6

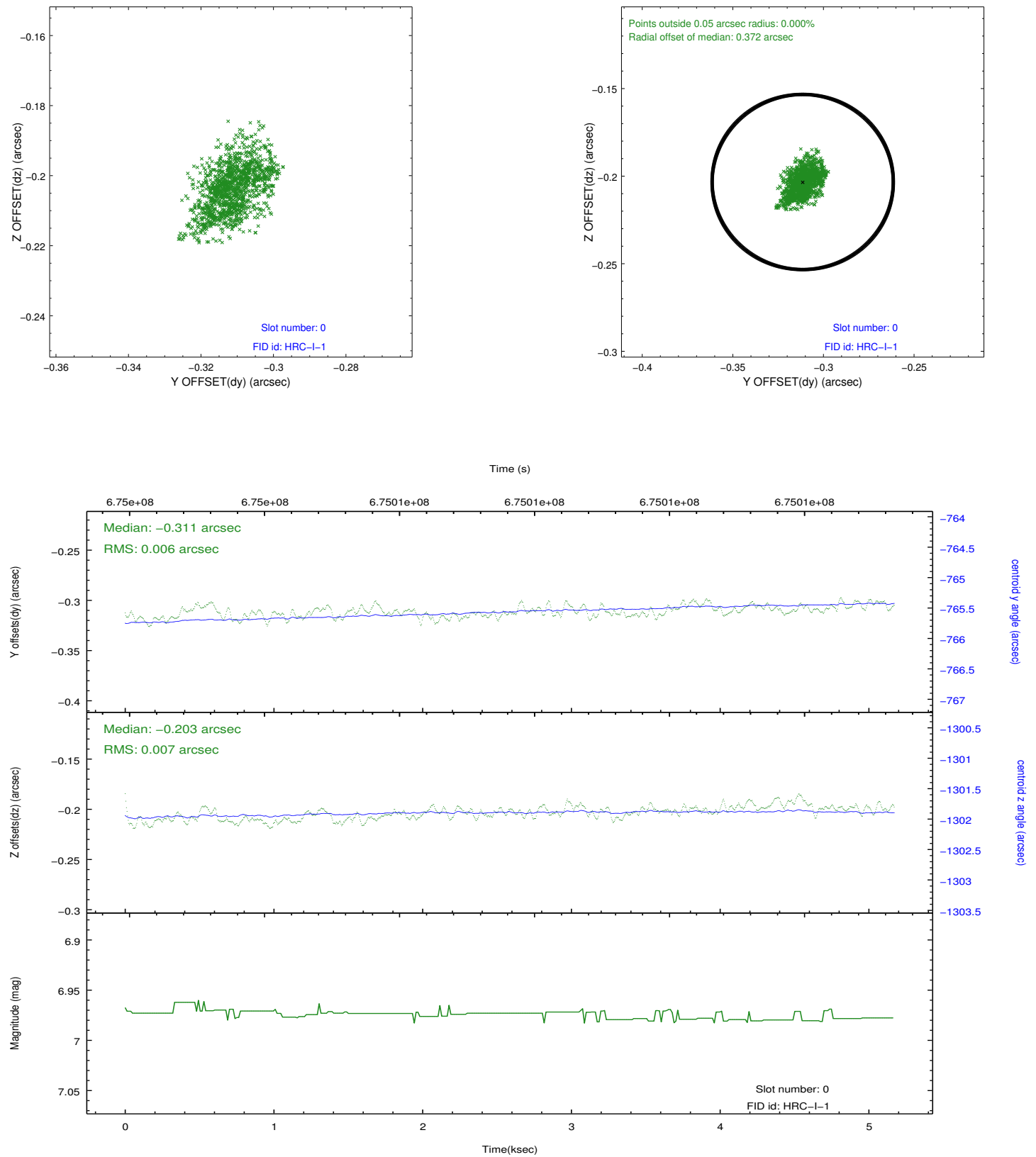


2.4.5 Slot 7

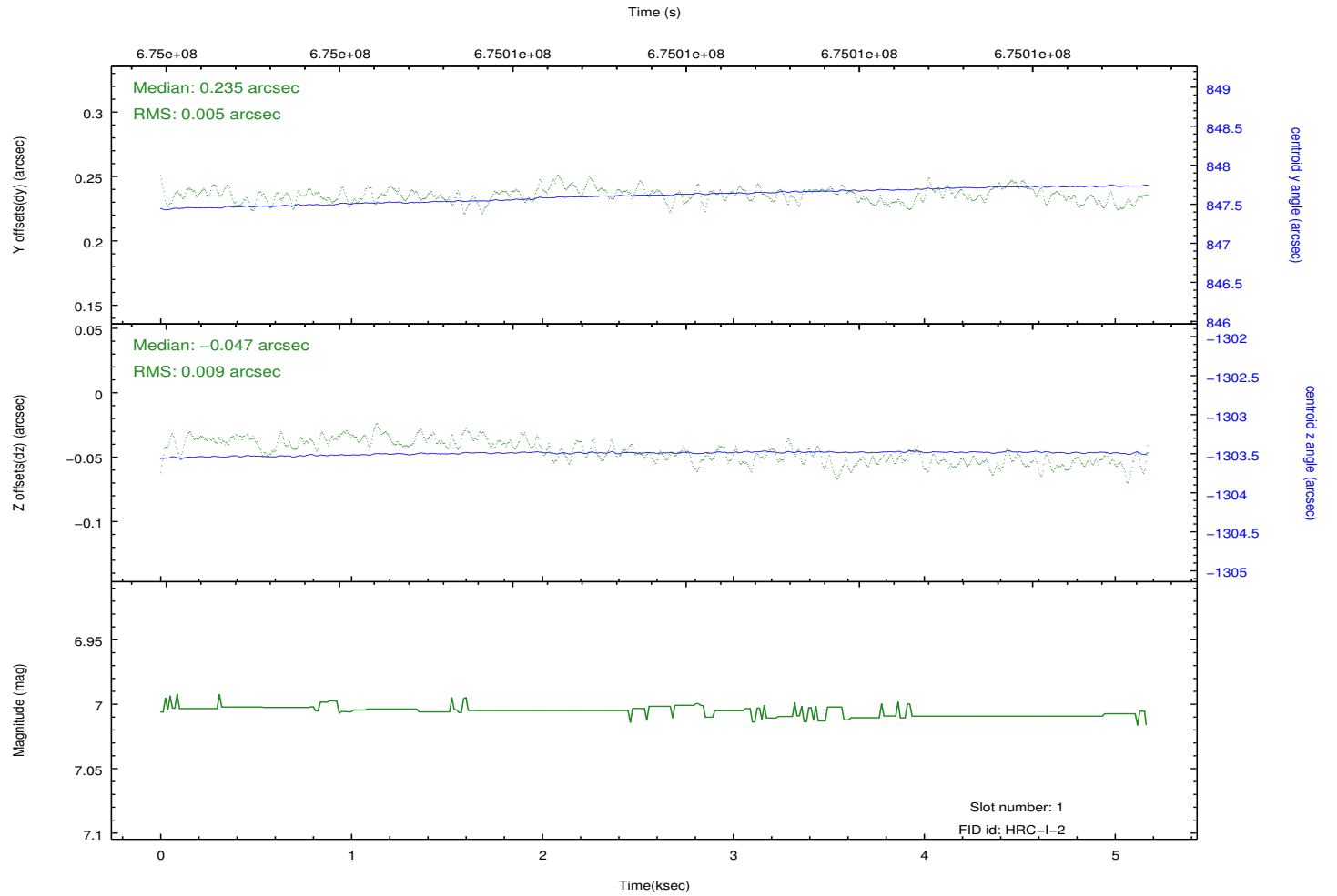
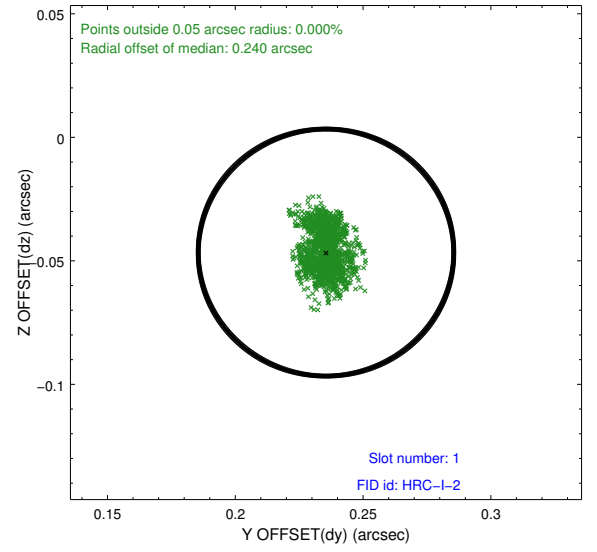
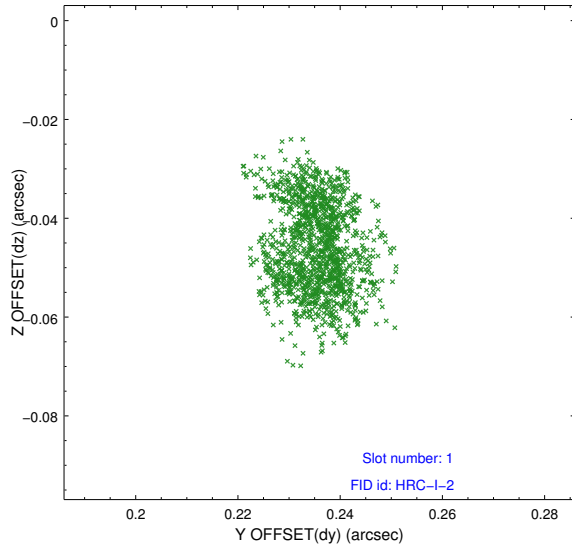


2.5 FID Slots

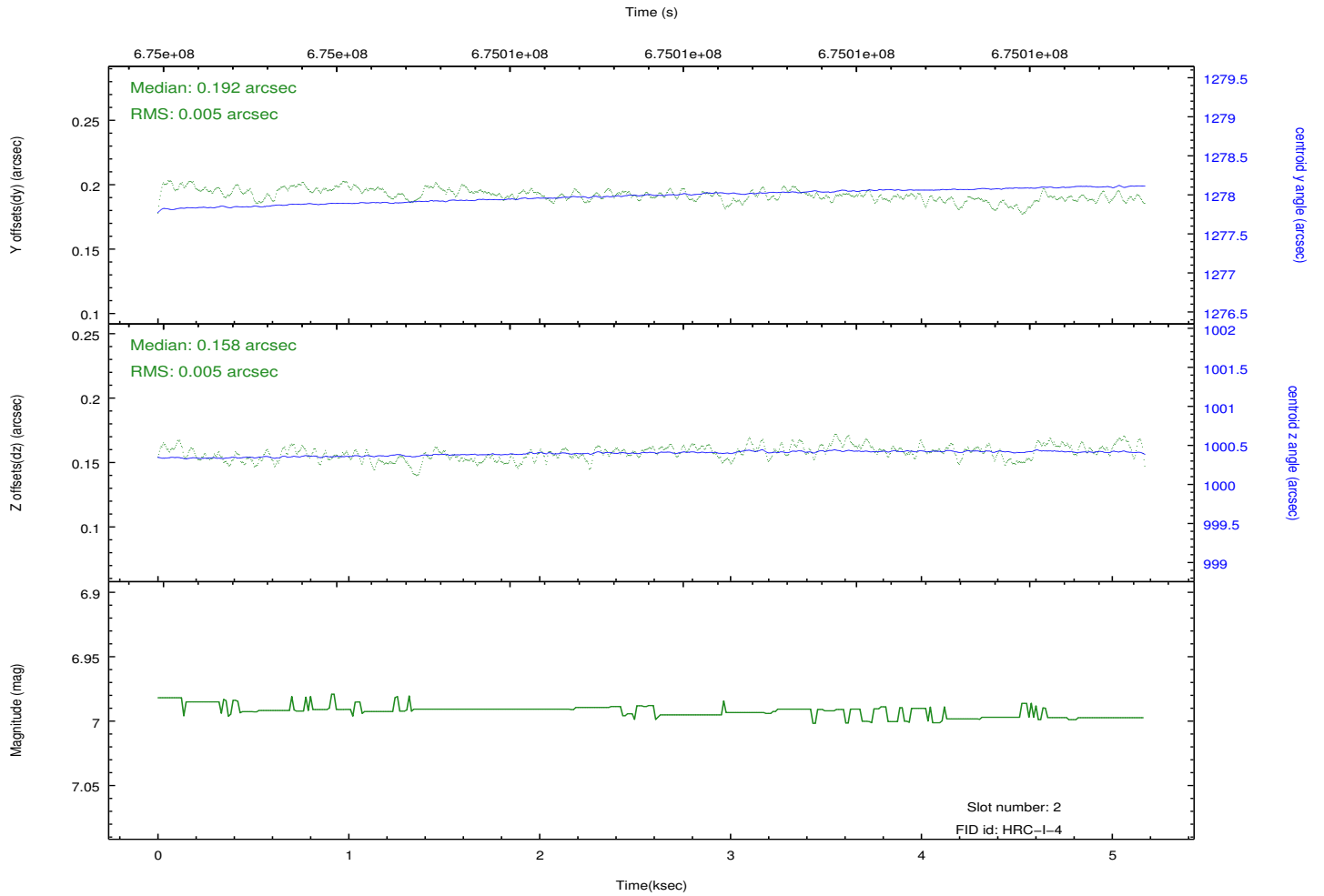
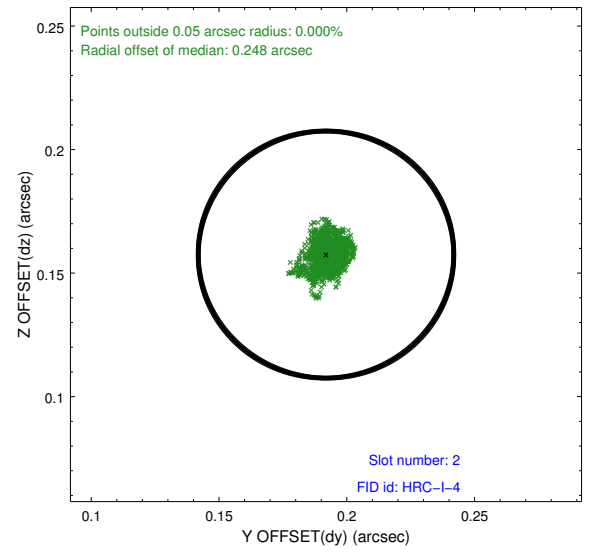
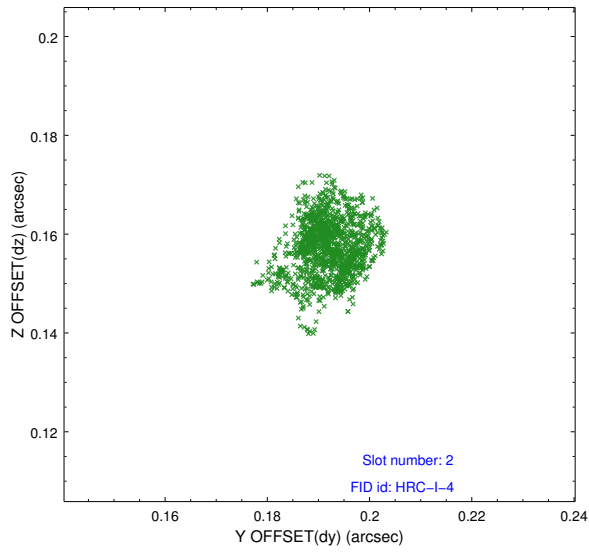
2.5.1 Slot 0



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)	2019.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1731753101349

A.2 Comments