

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 14234 - L2 Version 1
Chandra X-Ray Center

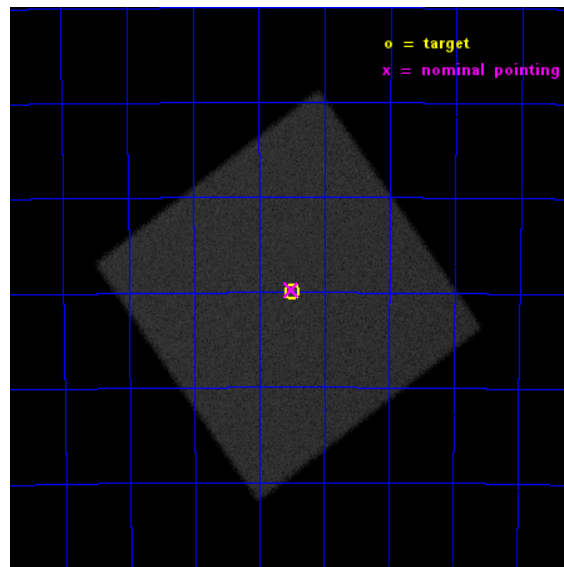
L2 Processing Date : Dec 31 2014

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

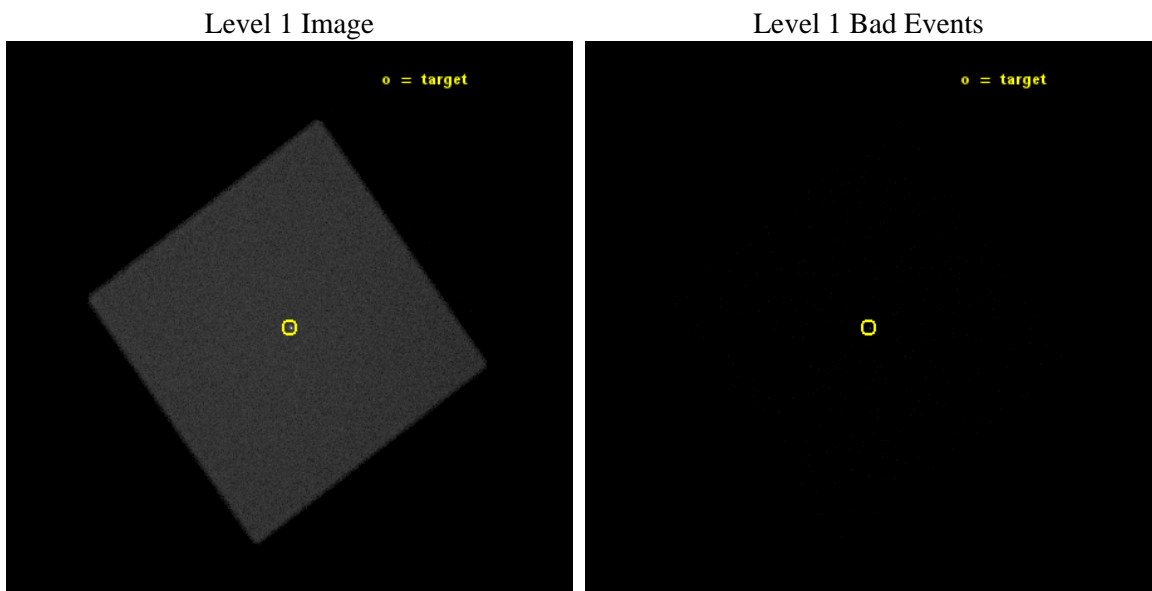
seq_num	200826	Sequence number
obs_id	14234	Observation id
title	Alpha Cen: Climbing out of a Coronal Recession?	Proposal title
observer	Dr. Thomas Ayres	Principal investigator
object	ALPHA CEN	Source name
ra_targ	219.874167	Observer's specified target RA [deg]
dec_targ	-60.833139	Observer's specified target Dec [deg]
ra_nom	219.87592996197	Nominal RA [deg]
dec_nom	-60.829025289806	Nominal Dec [deg]
roll_nom	98.906016578603	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10188.500568092	[s]
livetime	10113.697973714	Ontime multiplied by DTCOR
l2events	592726	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	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	10188.500568092	[s]
caldsver	4.6.5	 	l1events	835161	Number of level 1 events
date	2014-12-31T14:30:20	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

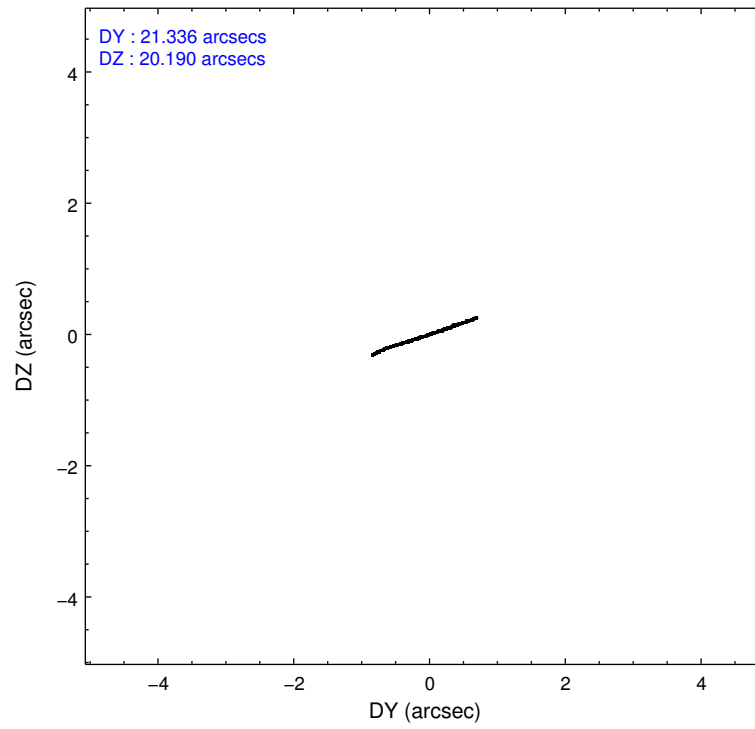
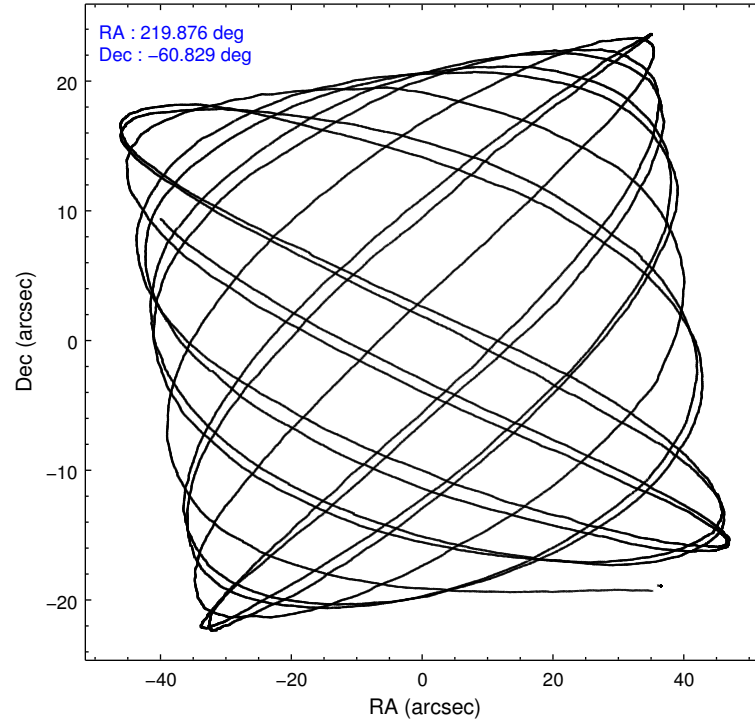
Level 1 Events

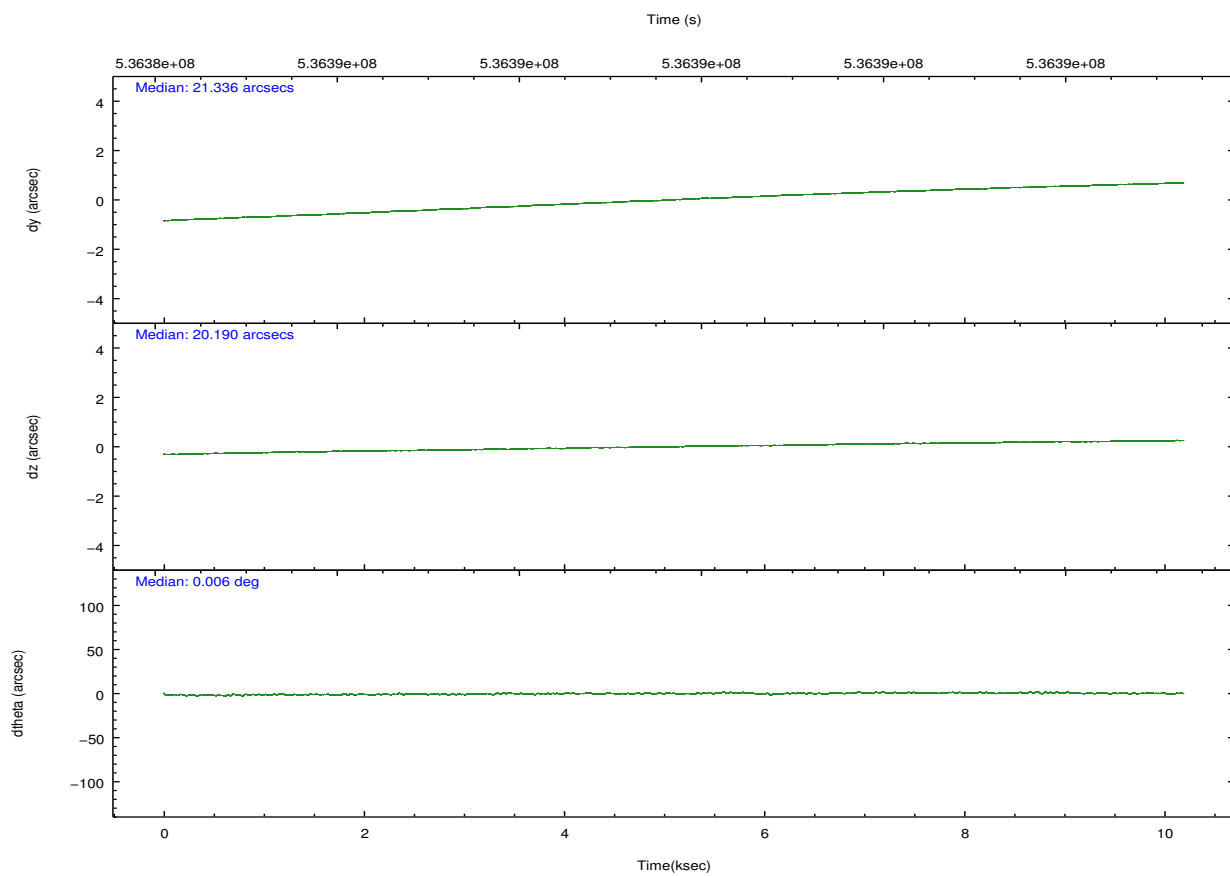
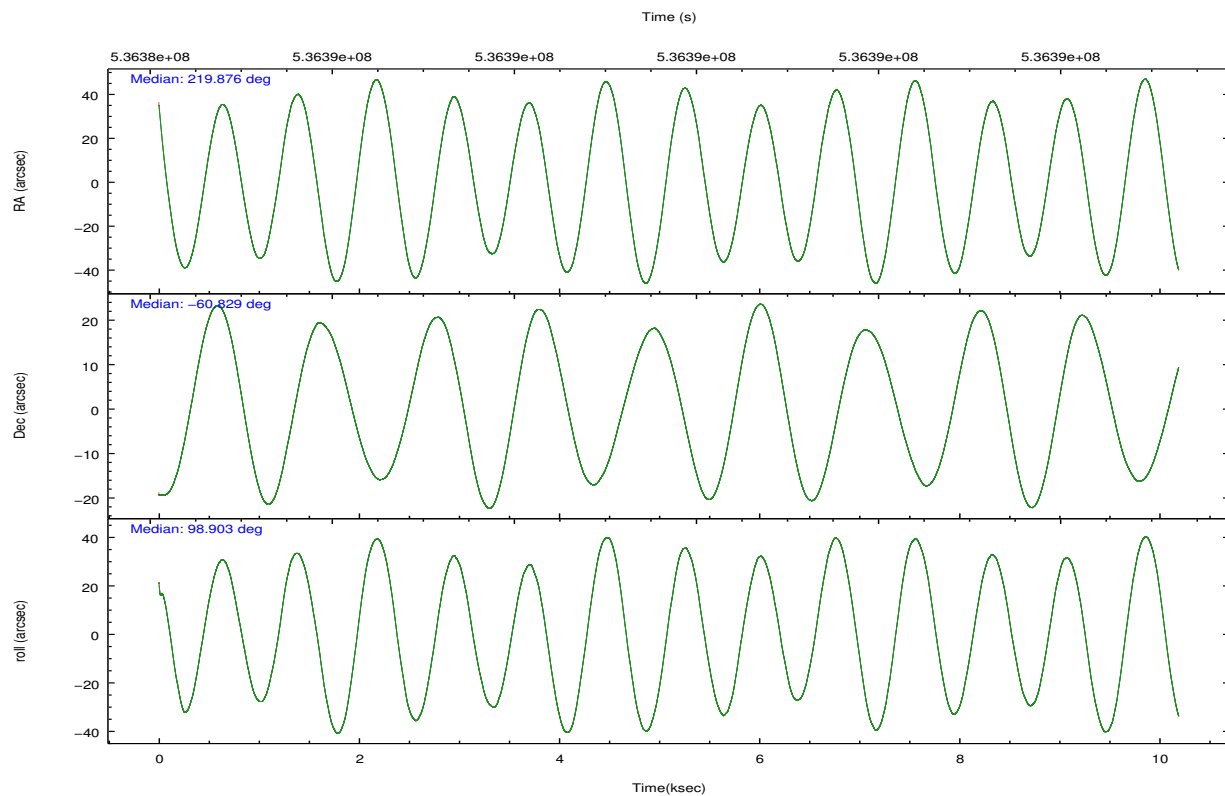
	segment 0
level 1 events	835161
rejected events	42620
rejected %	5%

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	219.912134	219.8759299619734			
[deg] Pointing Dec	-60.849777	-60.82902528980583			
[deg] Pointing Roll	99.033164	98.90601657860326			
[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)	536384795.184000	536384085.27287			
Observation start date	2014-12-31T03:45:28	2014-12-31T03:34:45			
[s] Observation end time (MET)	536394795.184000	536395859.44852			
Observation end date	2014-12-31T06:32:08	2014-12-31T06:50:59			

2.3 Aspect



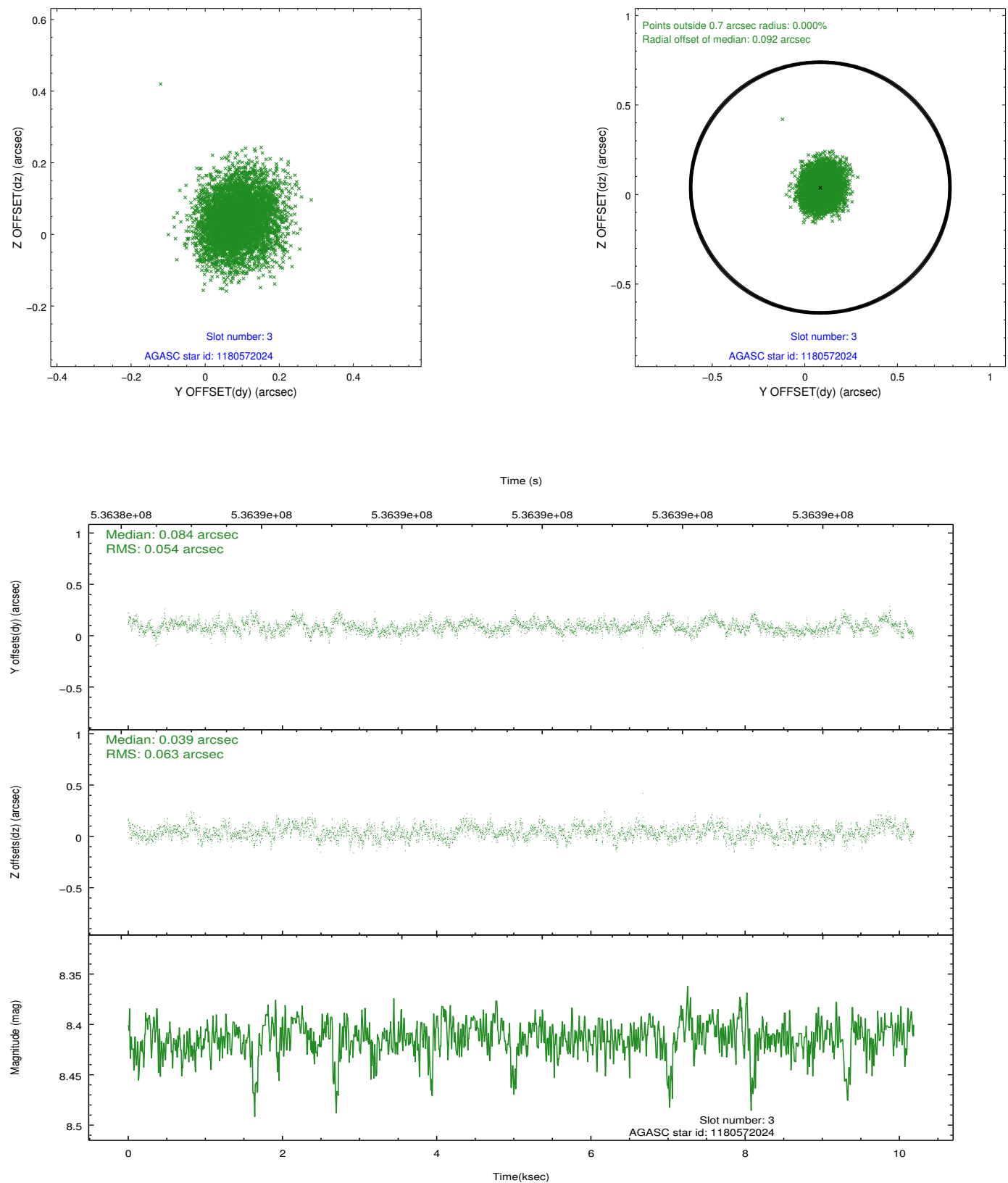


Slot Statistics

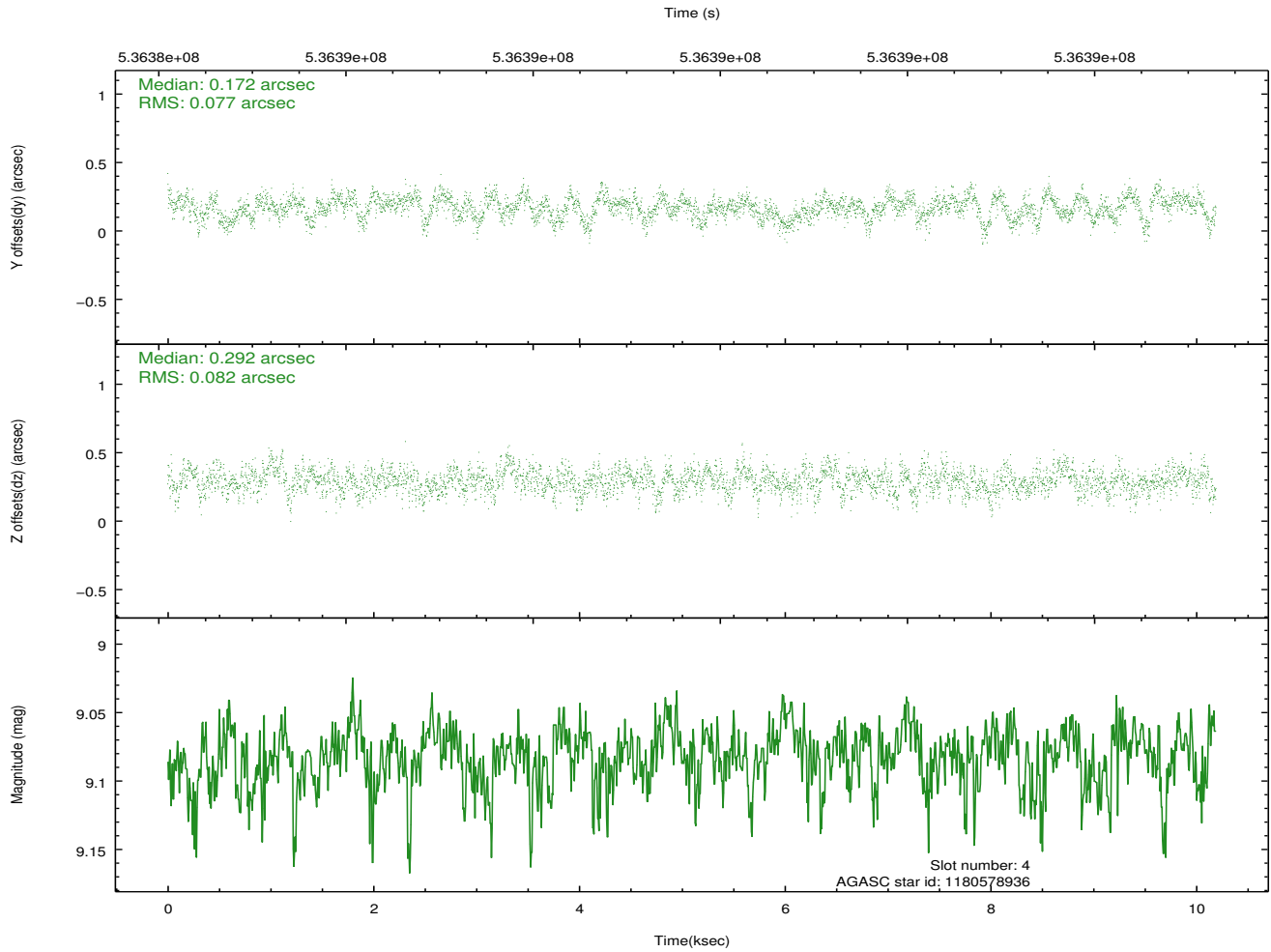
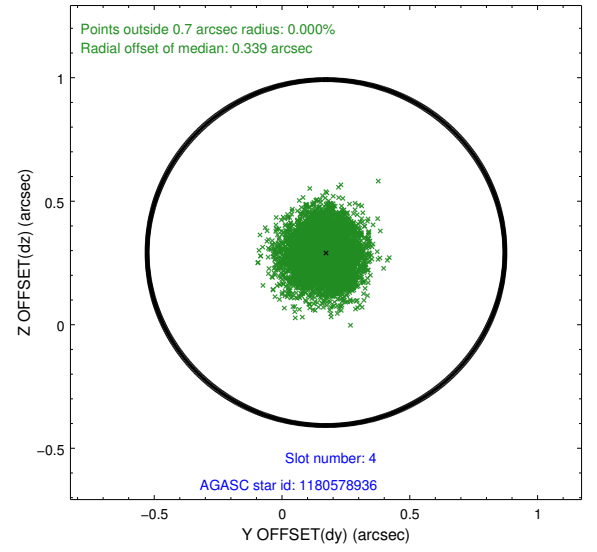
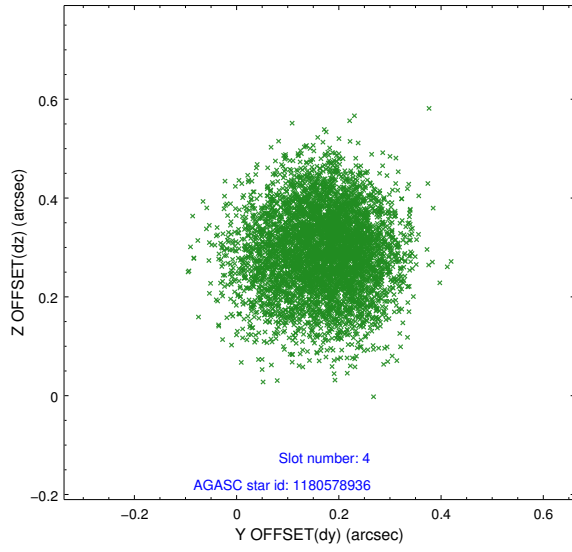
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	2486	-0.128	0.009	0.008	0.014	0.000000	0.000000	-777.34	-1308.45
1	FID		HRC-I-2	7.06	2486	0.249	-0.085	0.008	0.014	0.000000	0.000000	835.35	-1310.56
2	FID		HRC-I-3	7.11	2486	-0.001	-0.013	0.008	0.015	0.000000	0.000000	-1205.48	995.55
3	GUIDE	used	1180572024	8.41	4969	0.084	0.039	0.088	0.145	220.930377	-60.981487	-760.00	-1679.07
4	GUIDE	used	1180578936	9.08	4971	0.172	0.292	0.122	0.191	220.919358	-61.155393	-1373.49	-1552.46
5	GUIDE	used	1180589152	9.25	4970	0.055	-0.307	0.146	0.225	219.760705	-61.382926	-1854.18	558.94
6	GUIDE	used	1180604328	9.44	4965	-0.097	-0.022	0.172	0.287	220.916809	-60.127846	2270.95	-2184.40
7	GUIDE	used	1180612104	8.98	4967	-0.207	0.010	0.105	0.180	220.502279	-60.631704	608.36	-1151.49

2.4 Star Slots

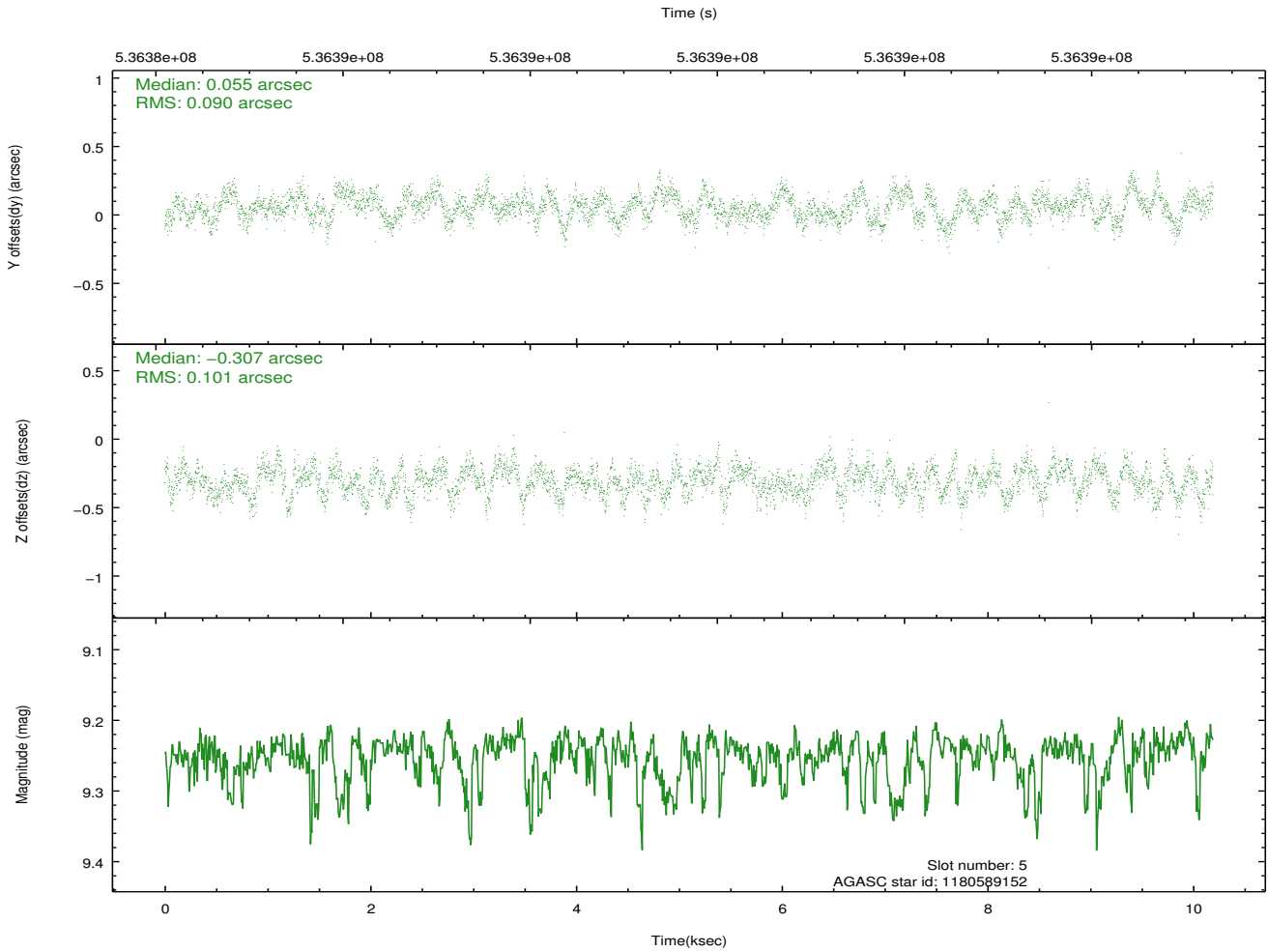
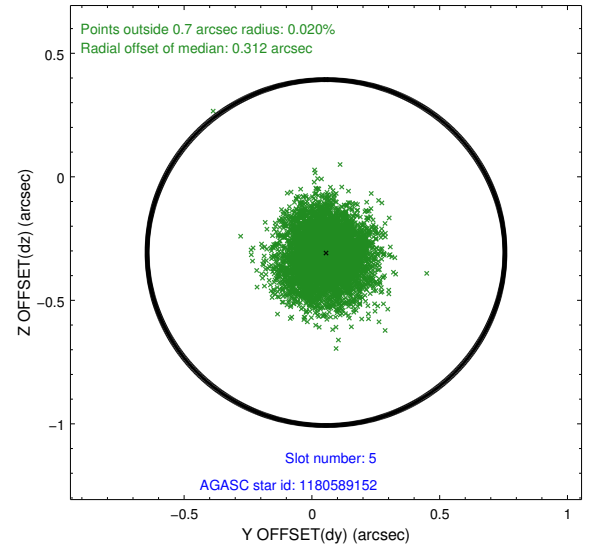
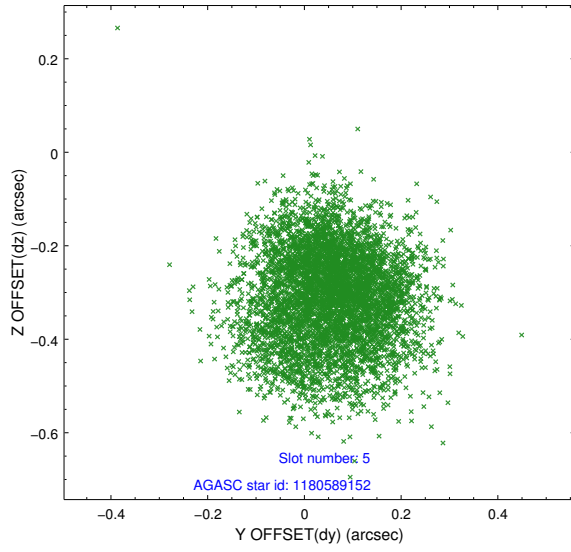
2.4.1 Slot 3



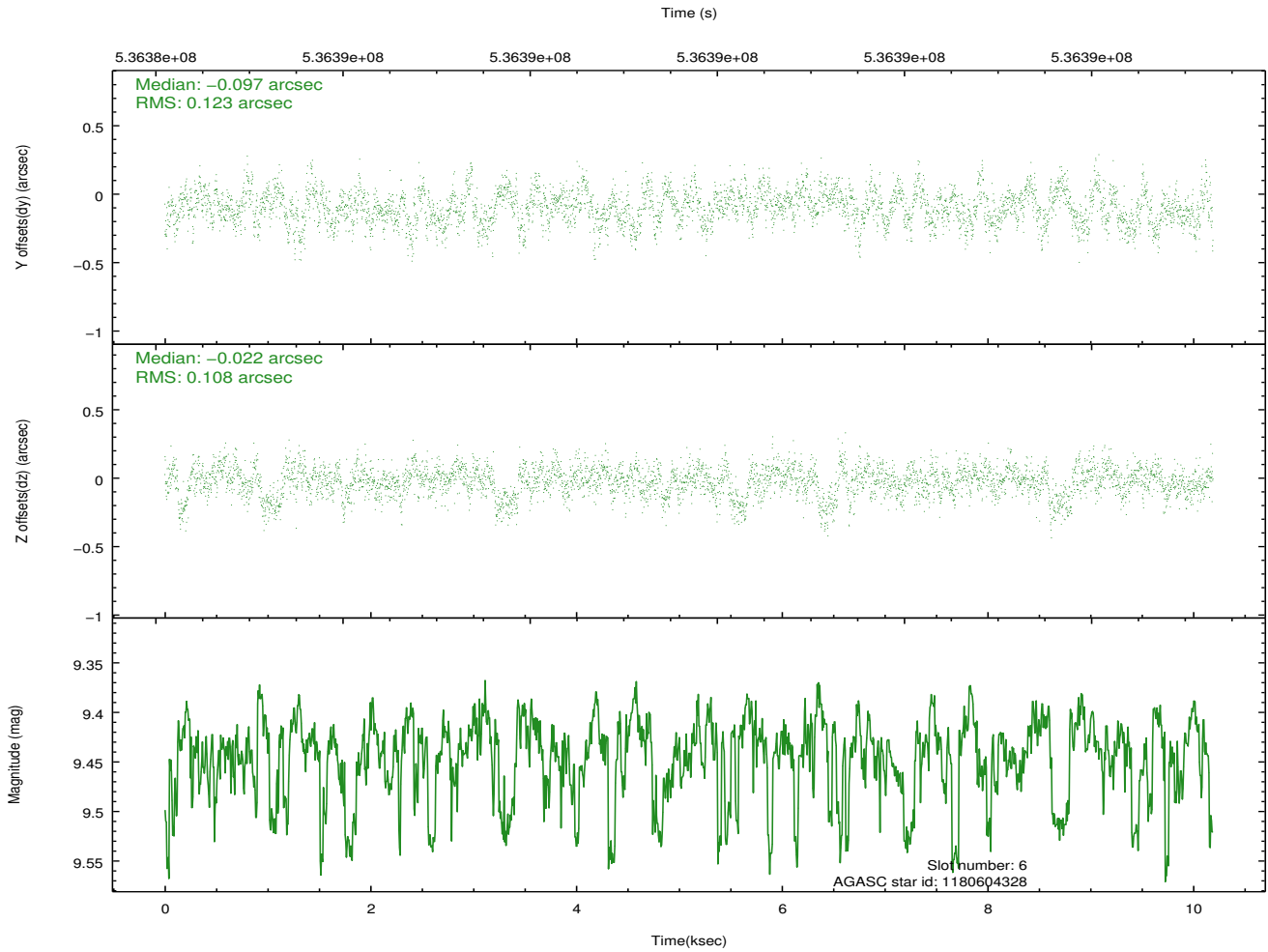
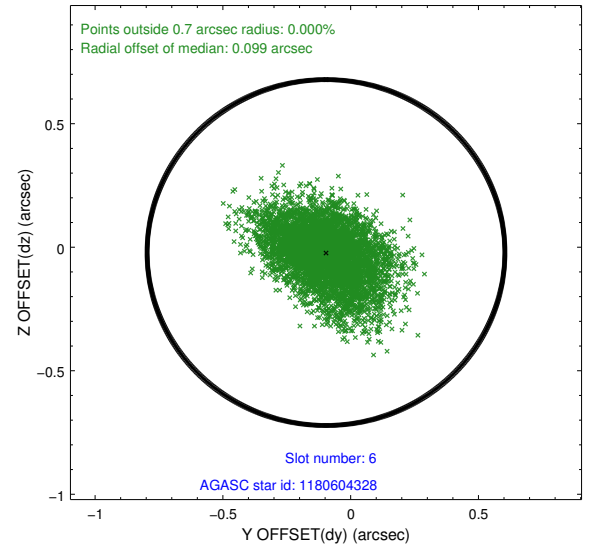
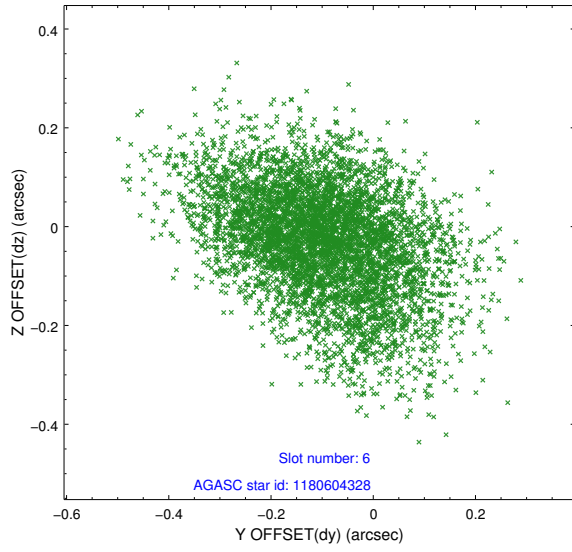
2.4.2 Slot 4



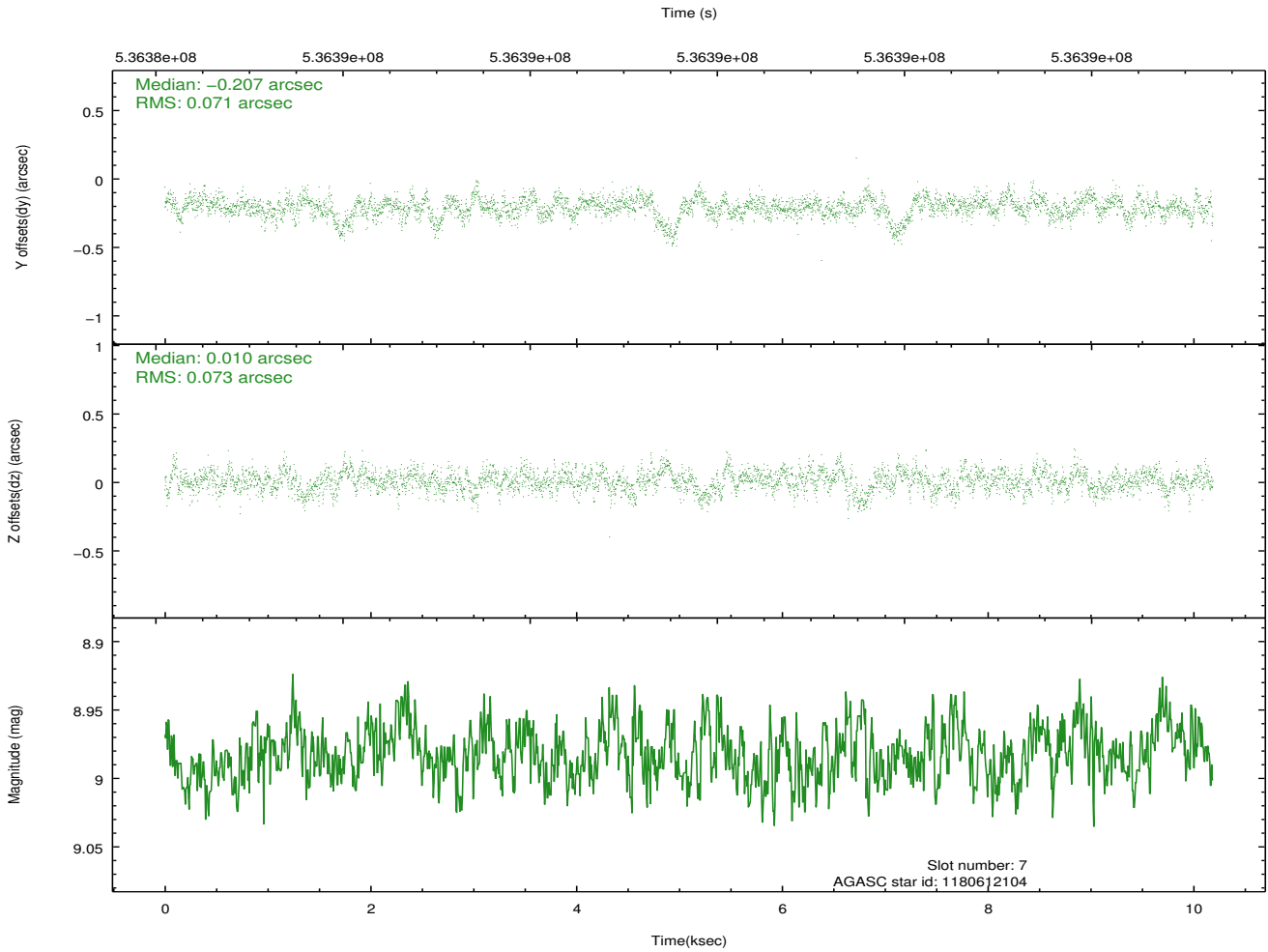
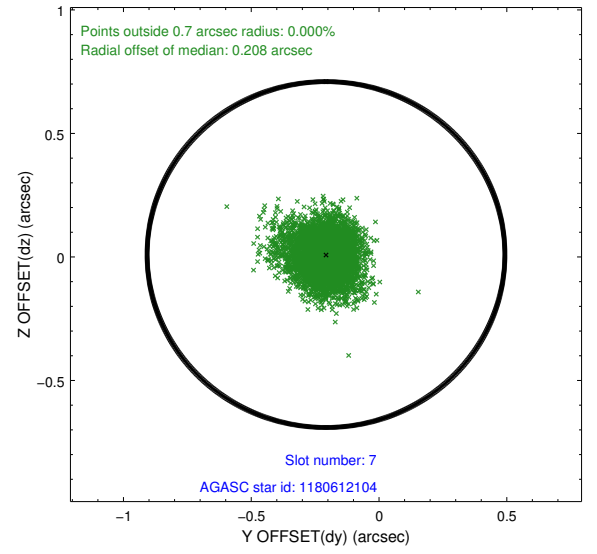
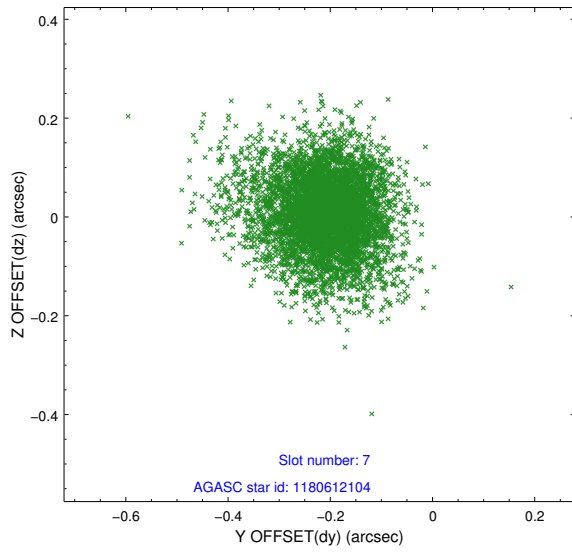
2.4.3 Slot 5



2.4.4 Slot 6

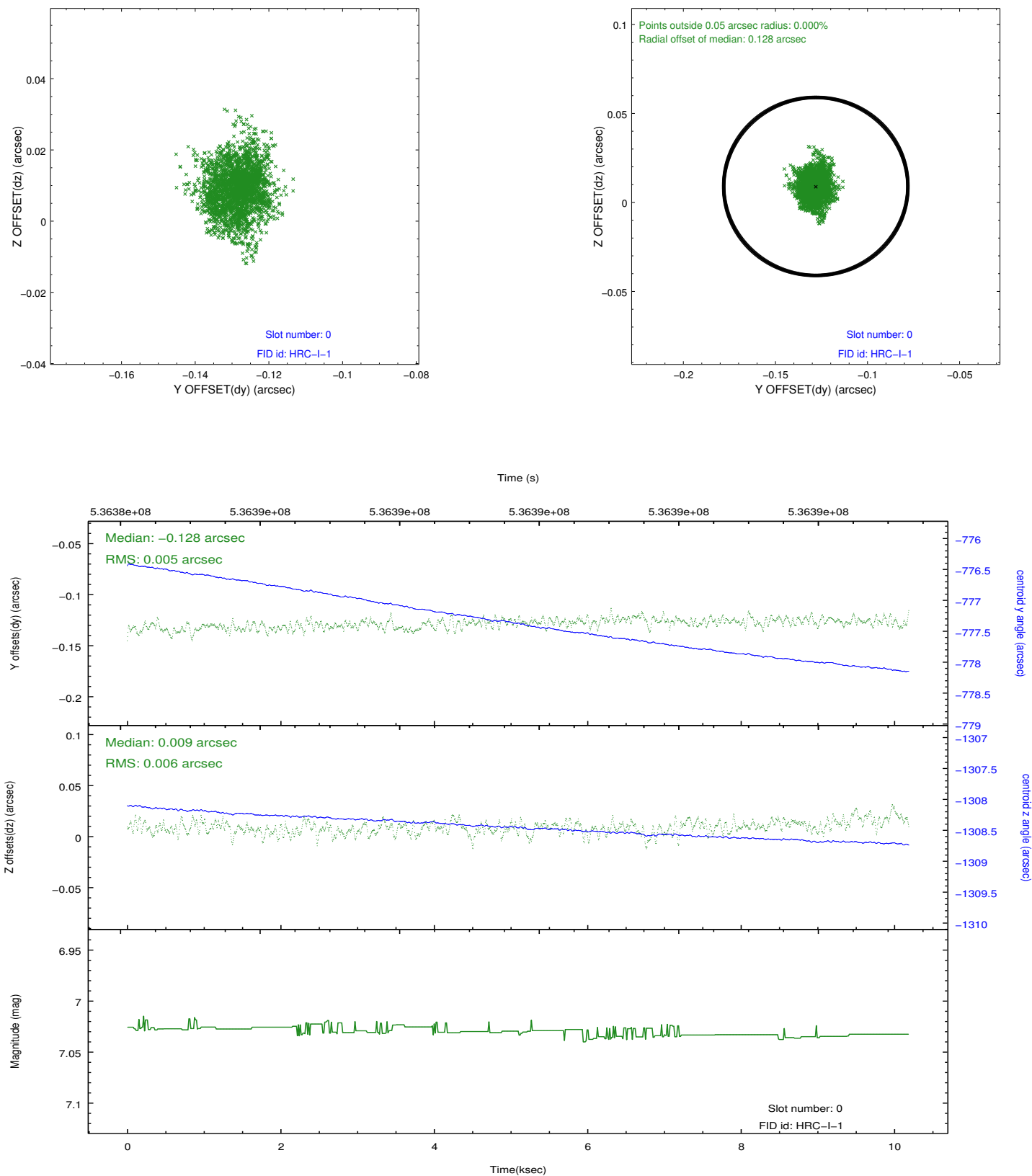


2.4.5 Slot 7

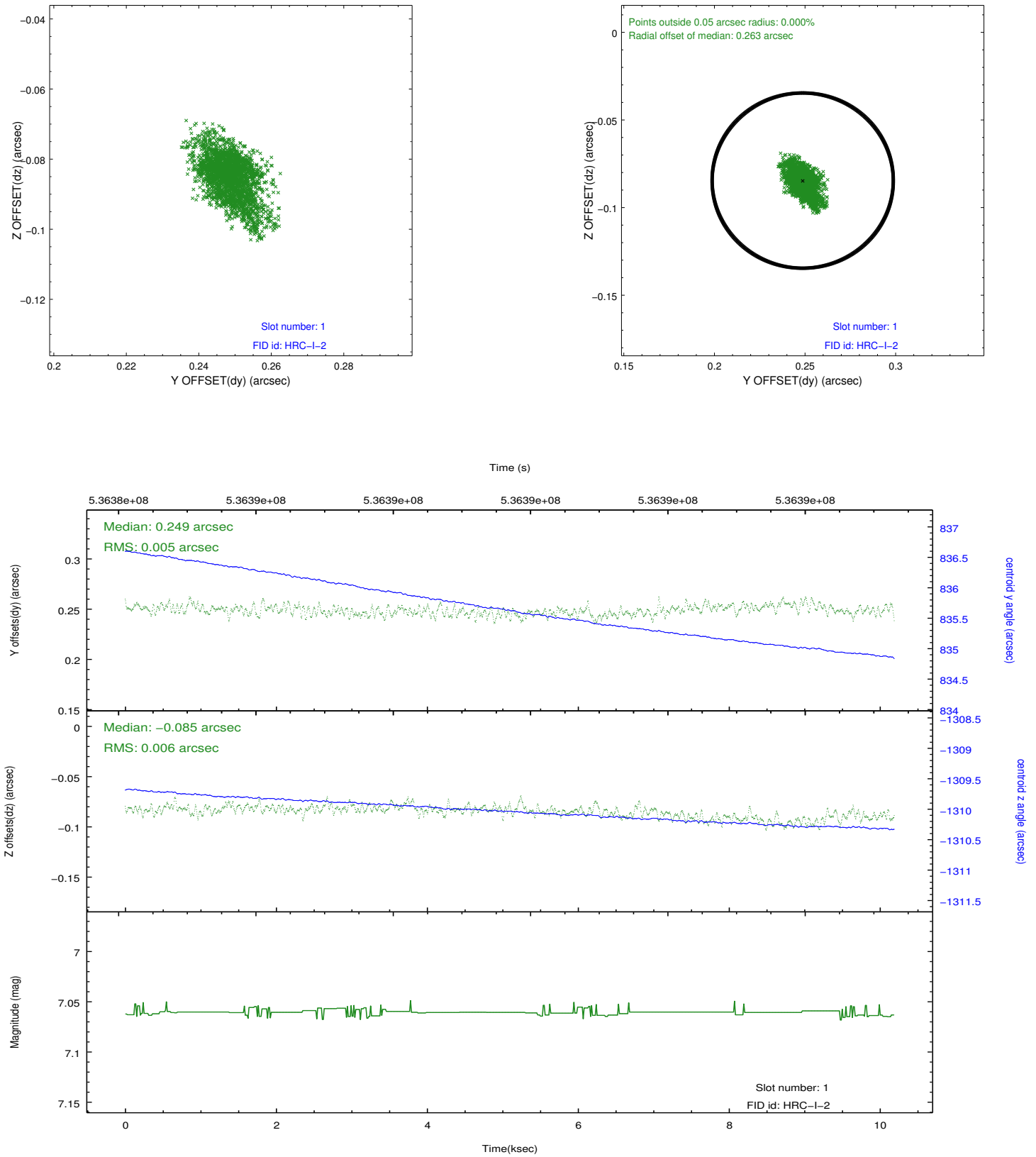


2.5 FID Slots

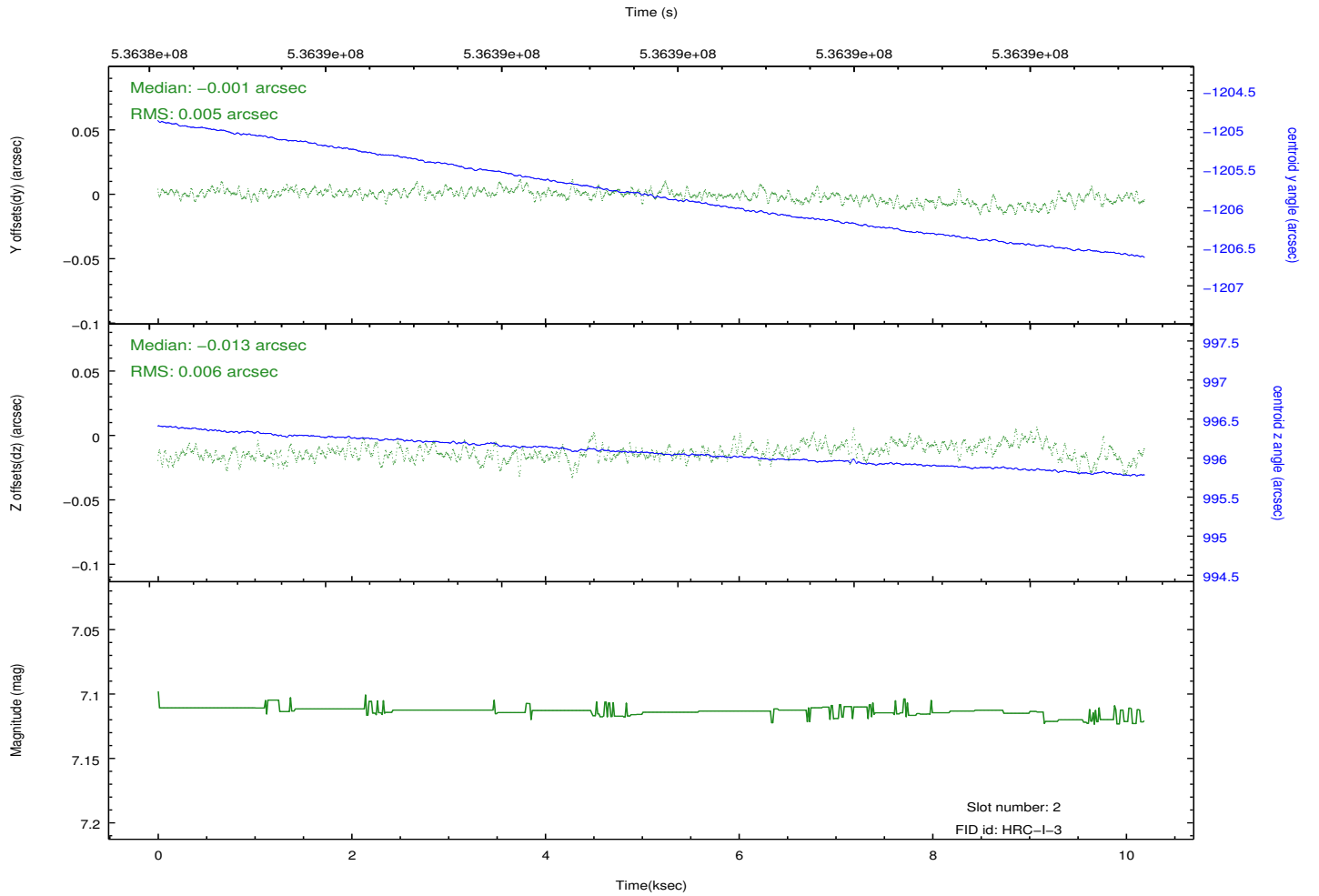
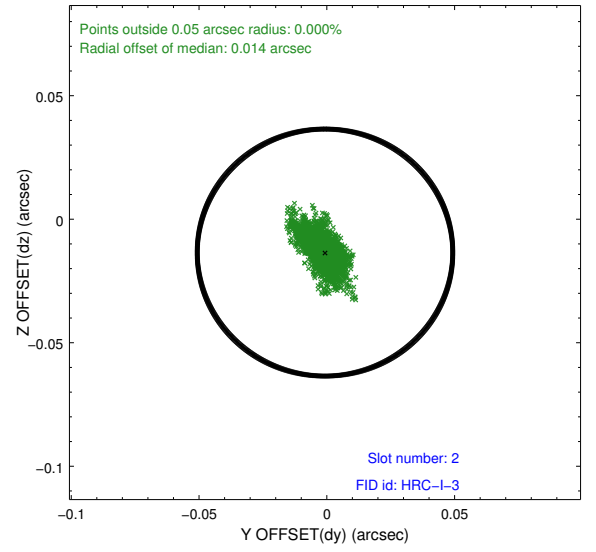
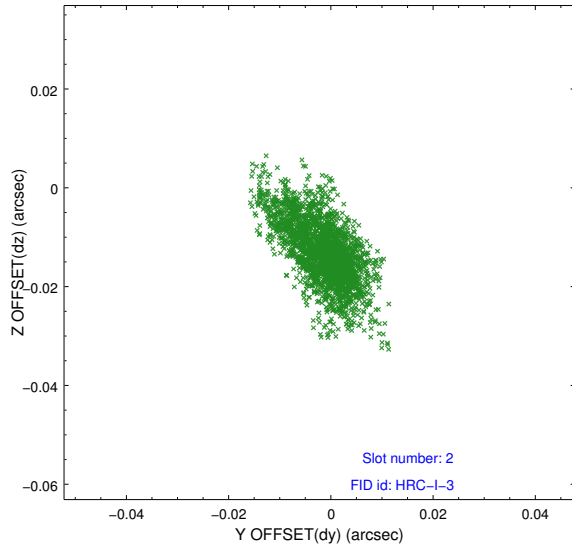
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.188500568092

A.2 Comments

Joint proposal with HST.