

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 16681 - L2 Version 1
Chandra X-Ray Center

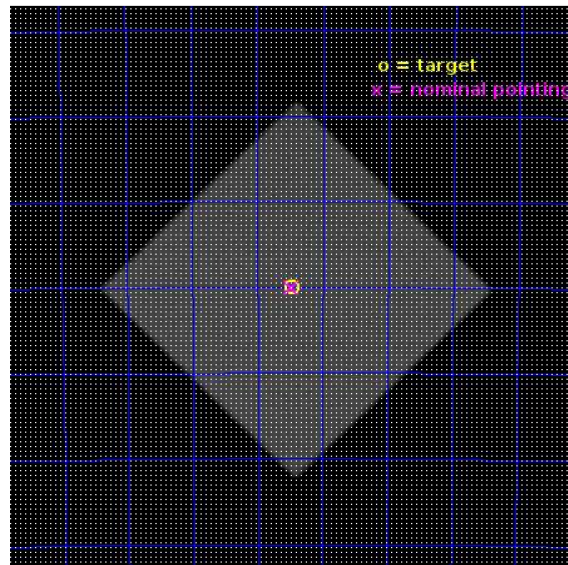
L2 Processing Date : May 2 2017

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

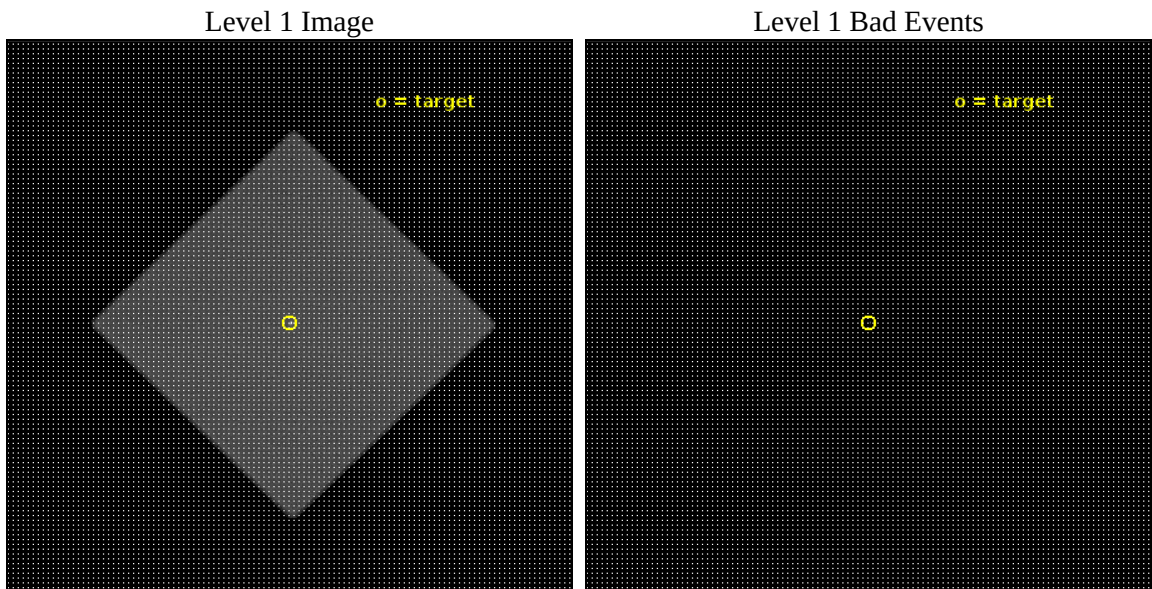
seq_num	201002	Sequence number
obs_id	16681	Observation id
title	Alpha Centauri at a Crossroads	Proposal title
observer	Thomas Ayres	Principal investigator
object	ALPHA CEN	Source name
ra_targ	219.867917	Observer's specified target RA [deg]
dec_targ	-60.832556	Observer's specified target Dec [deg]
ra_nom	219.87030300348	Nominal RA [deg]
dec_nom	-60.834169727718	Nominal Dec [deg]
roll_nom	0.23176598521658	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10120.08183825	[s]
livetime	9993.2617975842	Ontime multiplied by DTCOR
l2events	1083221	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	10.5.4	Processing system revision	ontime	10120.08183825	[s]
caldbver	4.7.3	 	l1events	1648260	Number of level 1 events
date	2017-05-03T00:28:13	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

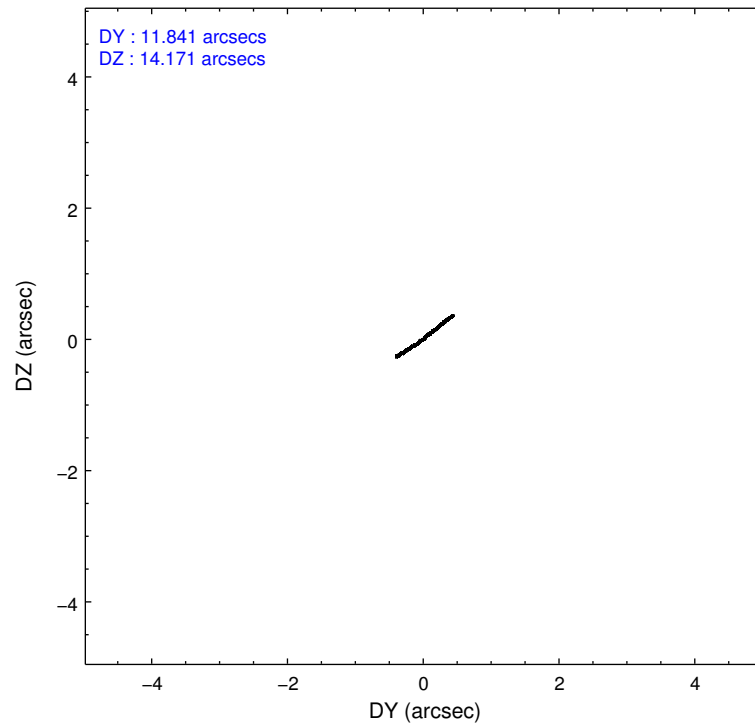
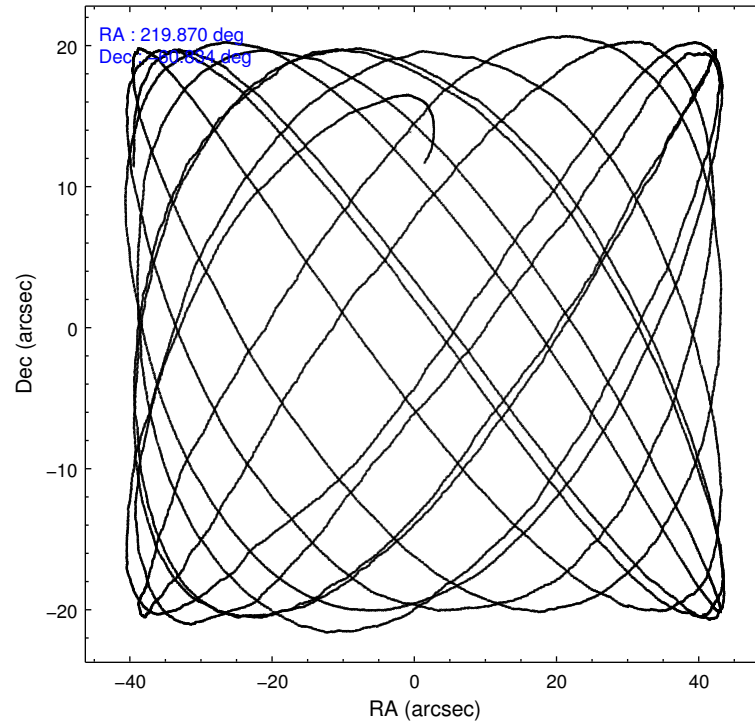
Level 1 Events

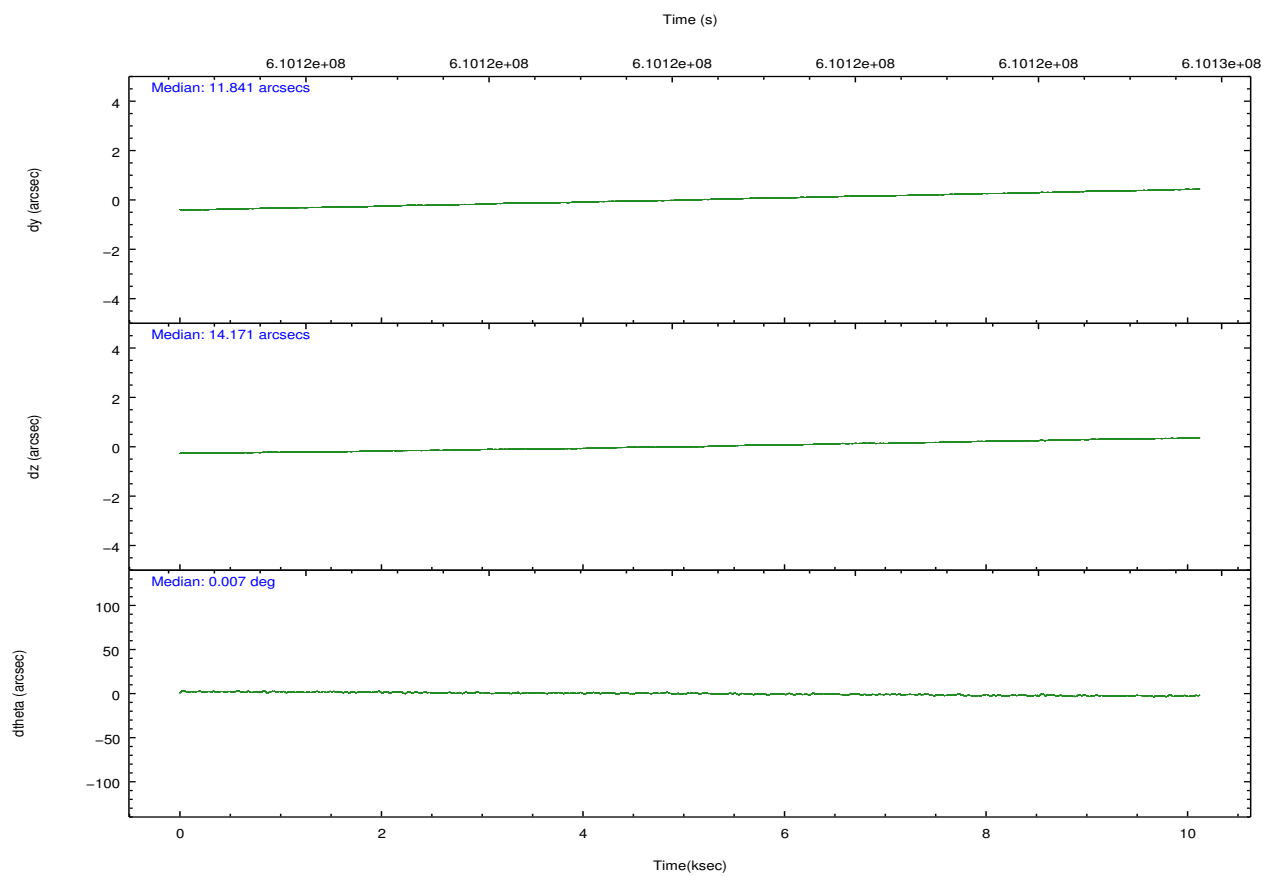
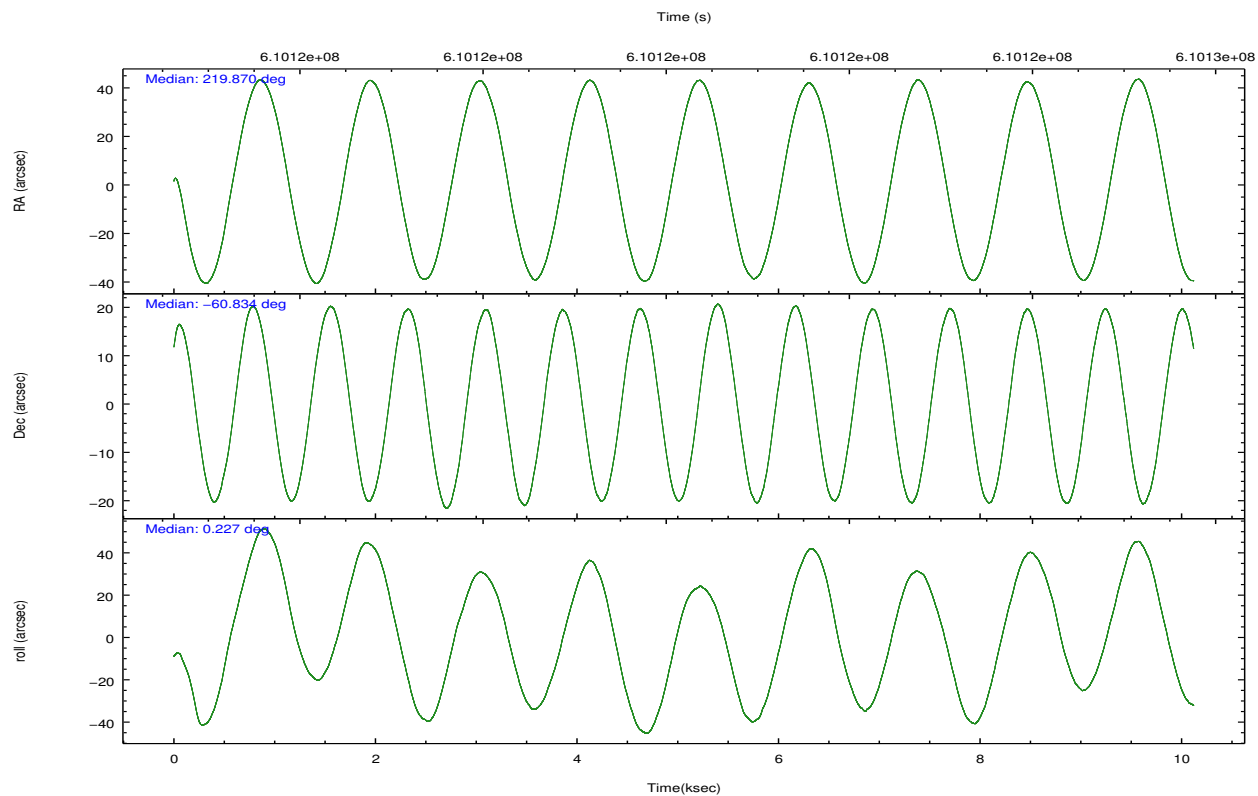
	segment 0
level 1 events	1648260
rejected events	220826
rejected %	13%

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	219.822719	219.8703030034798			
[deg] Pointing Dec	-60.848503	-60.8341697277175			
[deg] Pointing Roll	0.285712	0.2317659852165824			
[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)	610115277.184000	610113599.92211			
Observation start date	2017-05-02T12:26:48	2017-05-02T11:59:59			
[s] Observation end time (MET)	610125277.184000	610125714.39782			
Observation end date	2017-05-02T15:13:28	2017-05-02T15:21:54			

2.3 Aspect



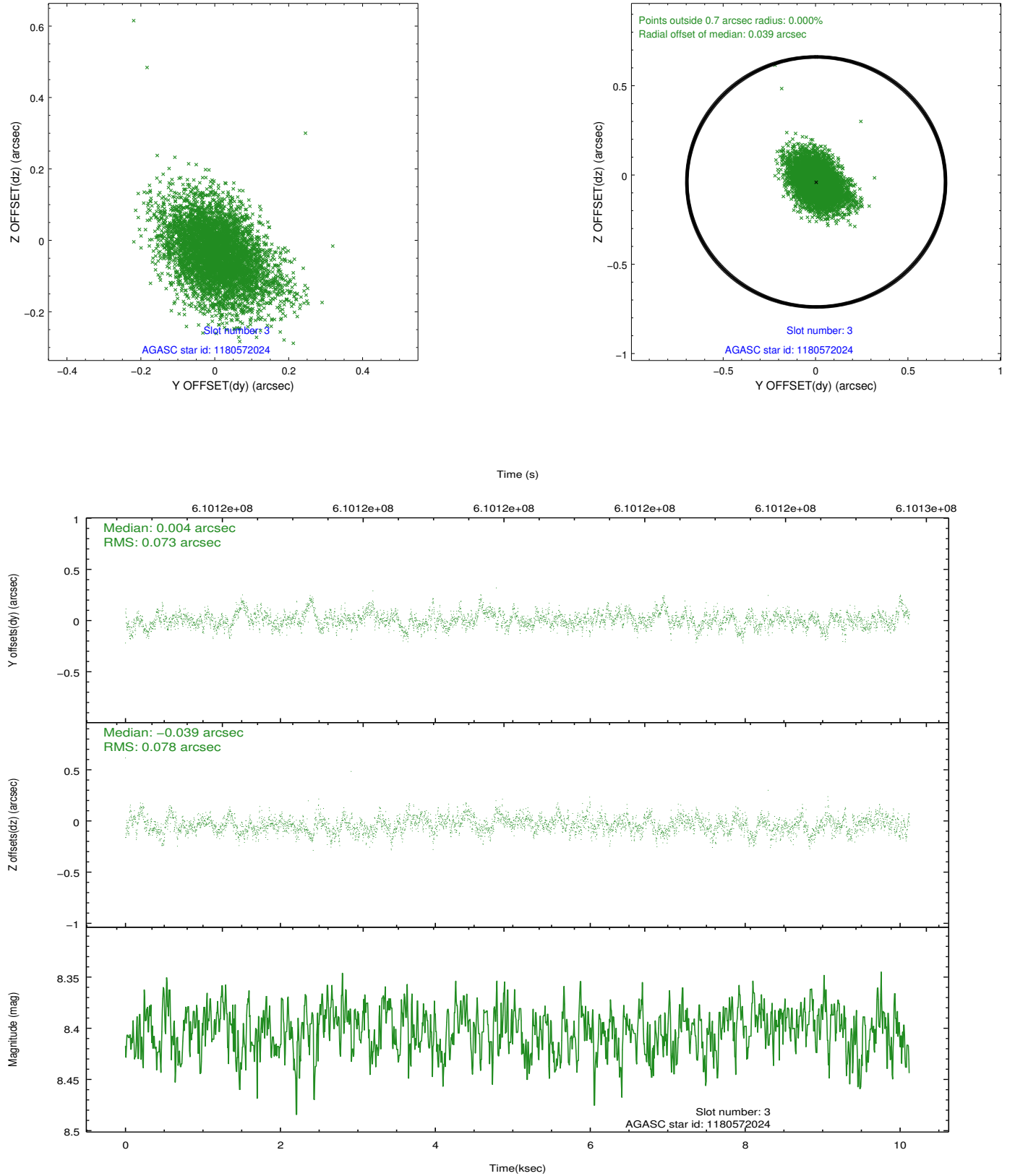


Slot Statistics

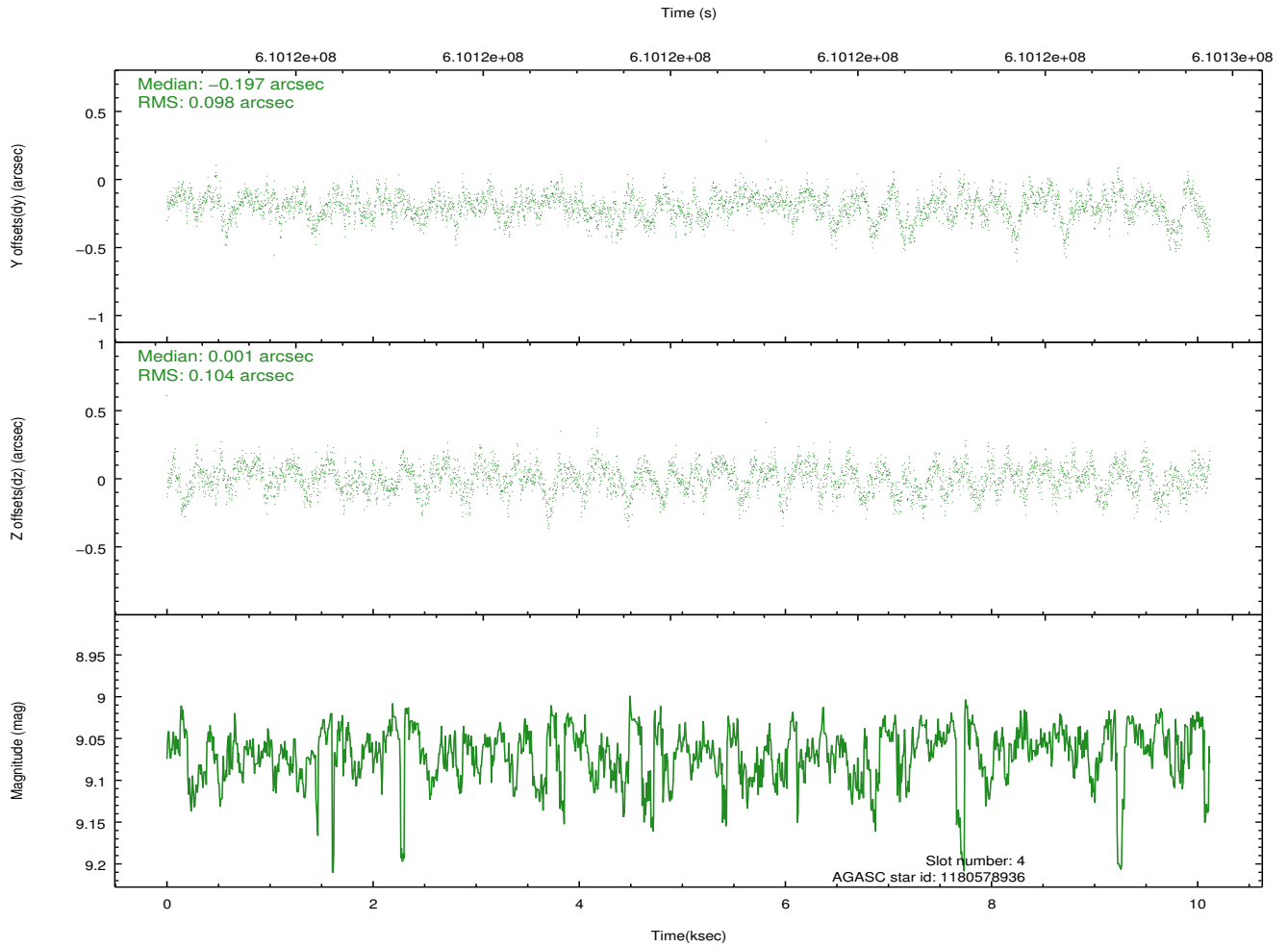
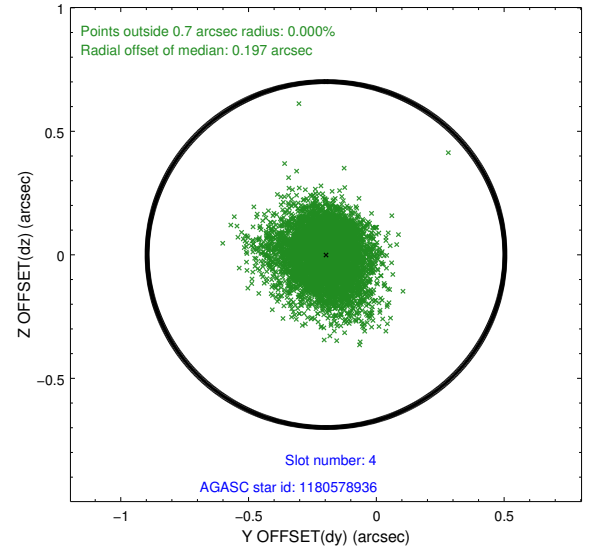
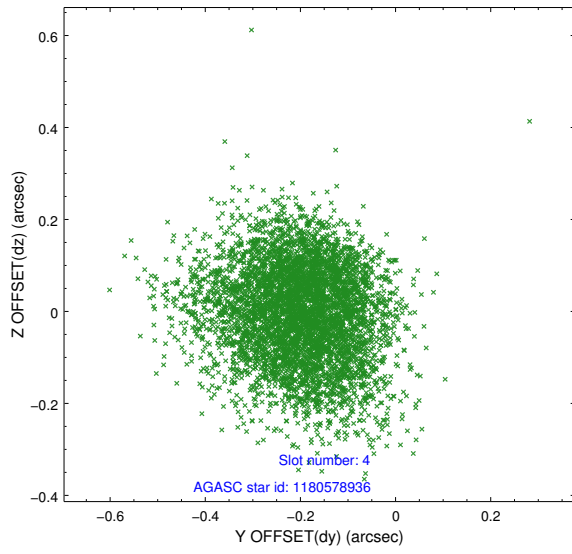
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.02	2469	0.079	-0.095	0.009	0.016	0.000000	0.000000	845.18	-1303.89
1	FID		HRC-I-3	7.08	2469	-0.255	0.019	0.008	0.012	0.000000	0.000000	-1195.98	1001.78
2	FID		HRC-I-4	7.01	2469	0.295	-0.012	0.009	0.014	0.000000	0.000000	1275.02	1000.34
3	GUIDE	used	1180572024	8.40	4934	0.004	-0.039	0.109	0.190	220.930377	-60.981487	1932.63	-504.73
4	GUIDE	used	1180578936	9.06	4935	-0.197	0.001	0.151	0.245	220.919358	-61.155393	1900.03	-1130.32
5	GUIDE	used	1180589152	9.26	4936	0.346	0.373	0.156	0.256	219.760705	-61.382926	-114.82	-1923.37
6	GUIDE	used	1180612104	8.95	4929	-0.148	-0.313	0.133	0.211	220.502279	-60.631704	1204.22	767.57
7	GUIDE	used	1180600848	9.37	4858	-0.012	-0.019	0.172	0.294	221.200702	-61.374942	2368.37	-1931.72

2.4 Star Slots

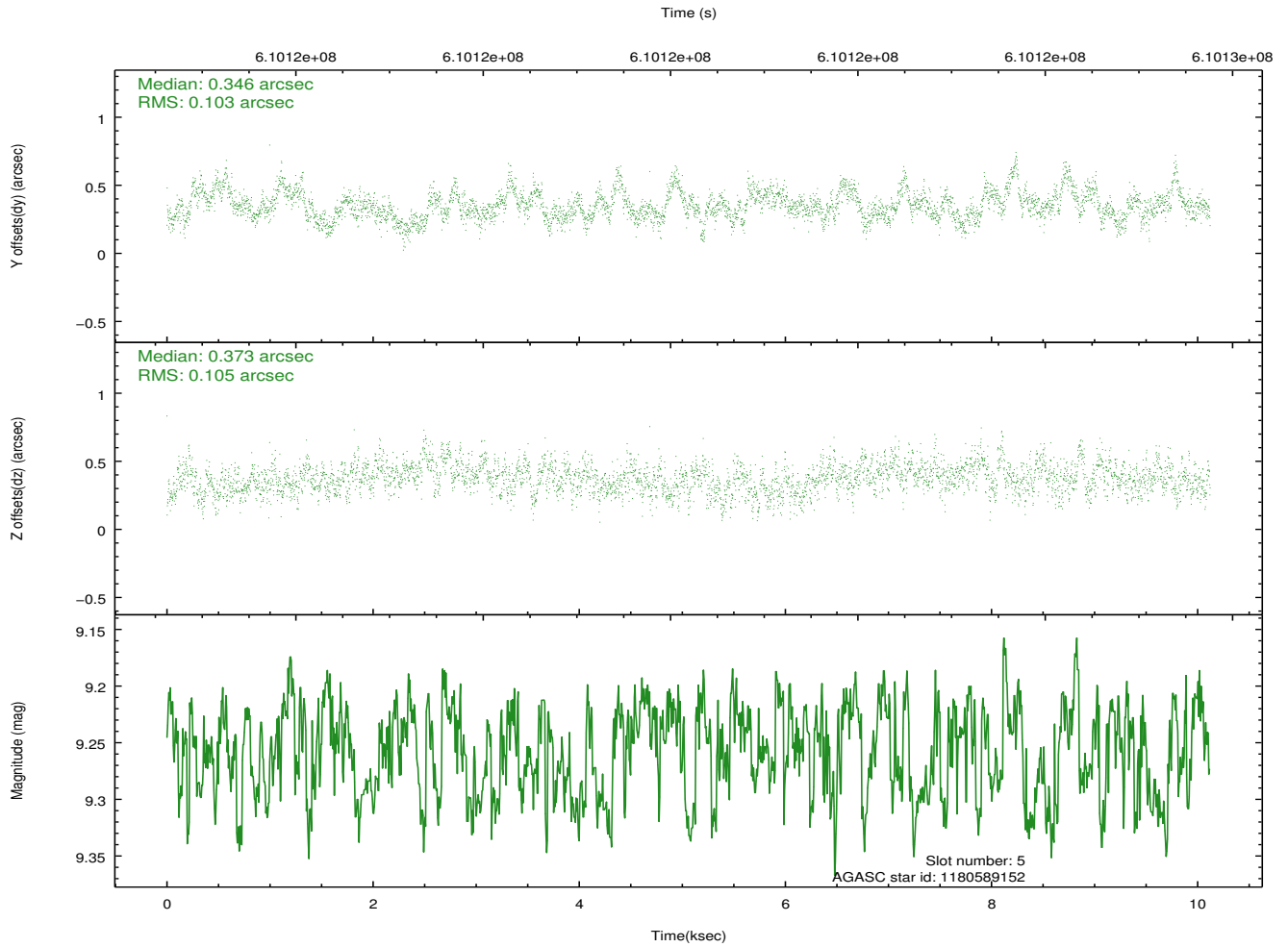
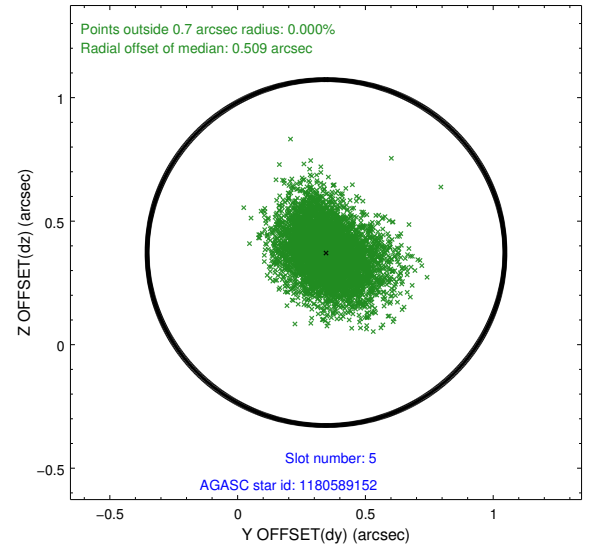
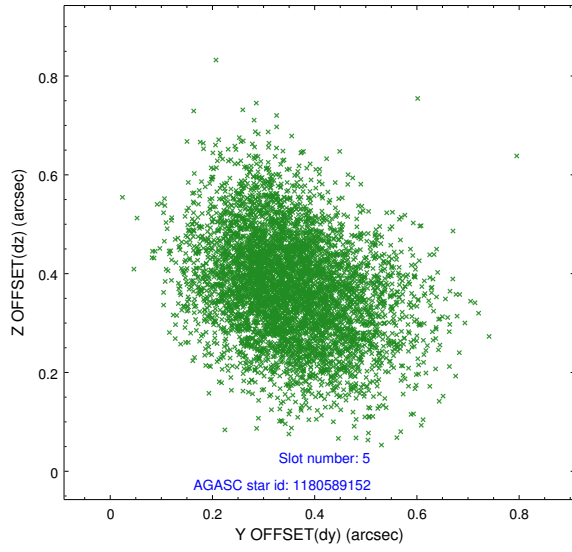
2.4.1 Slot 3



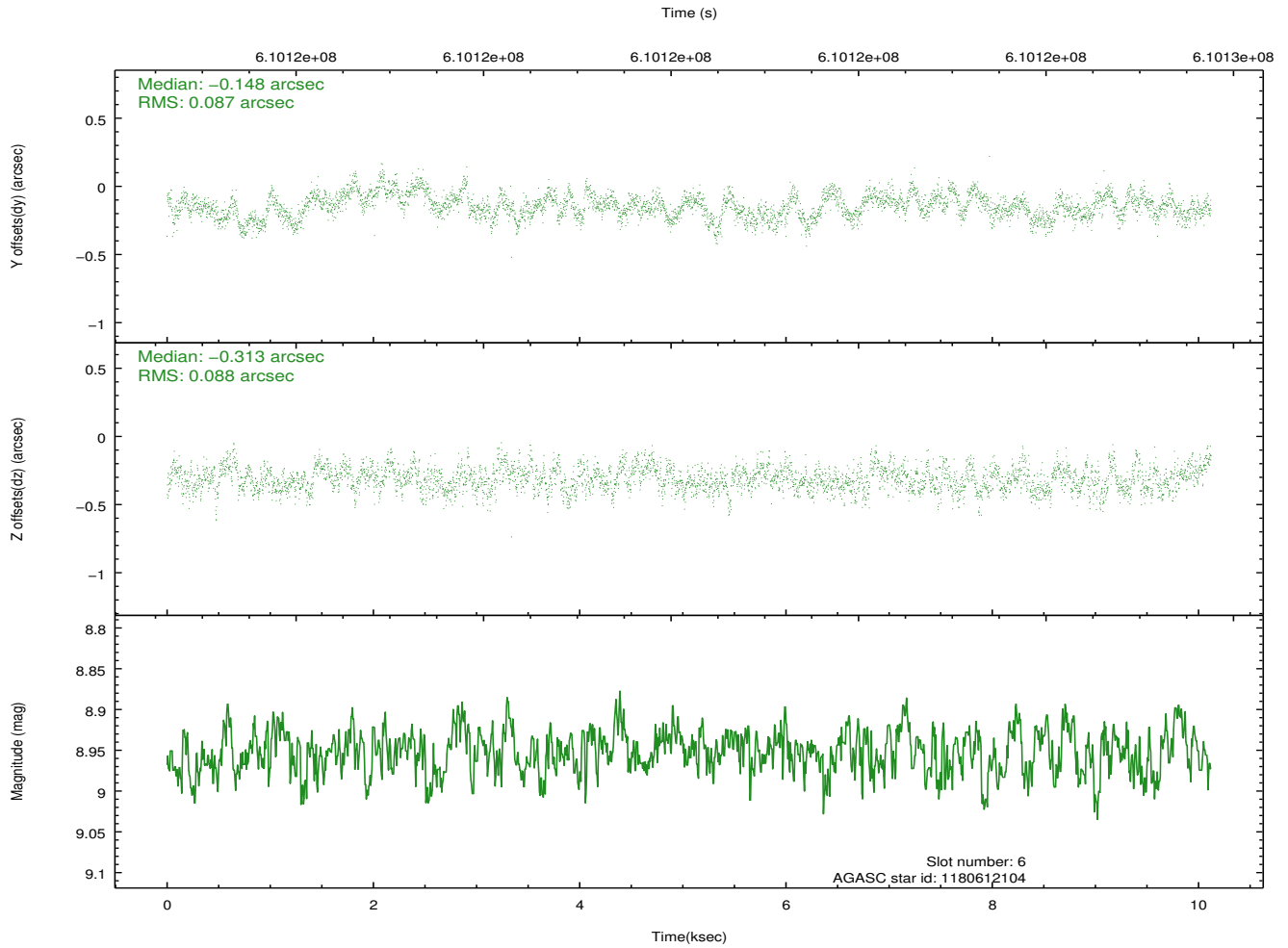
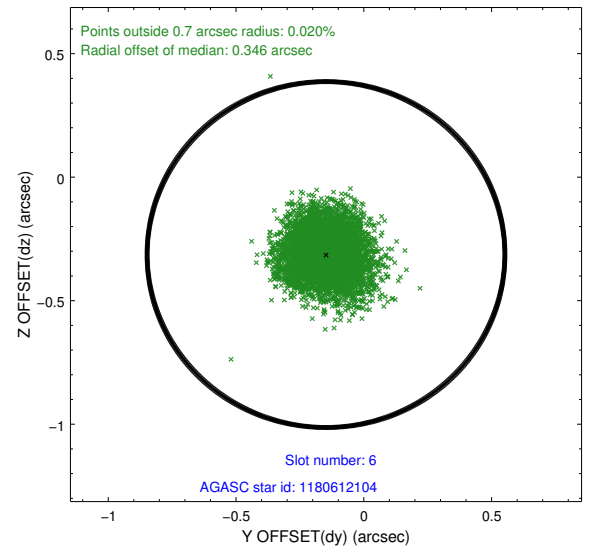
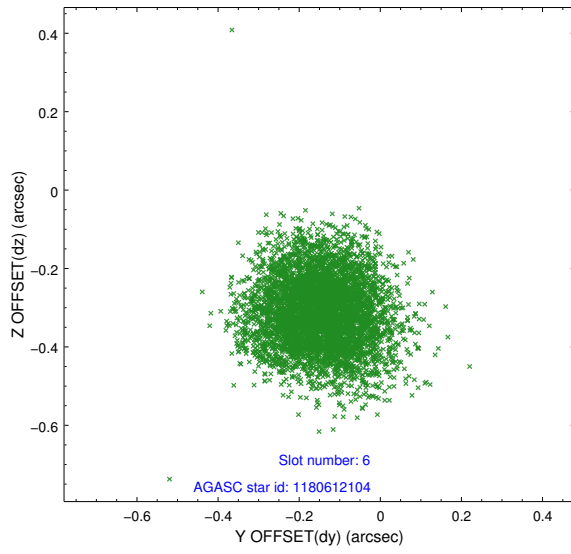
2.4.2 Slot 4



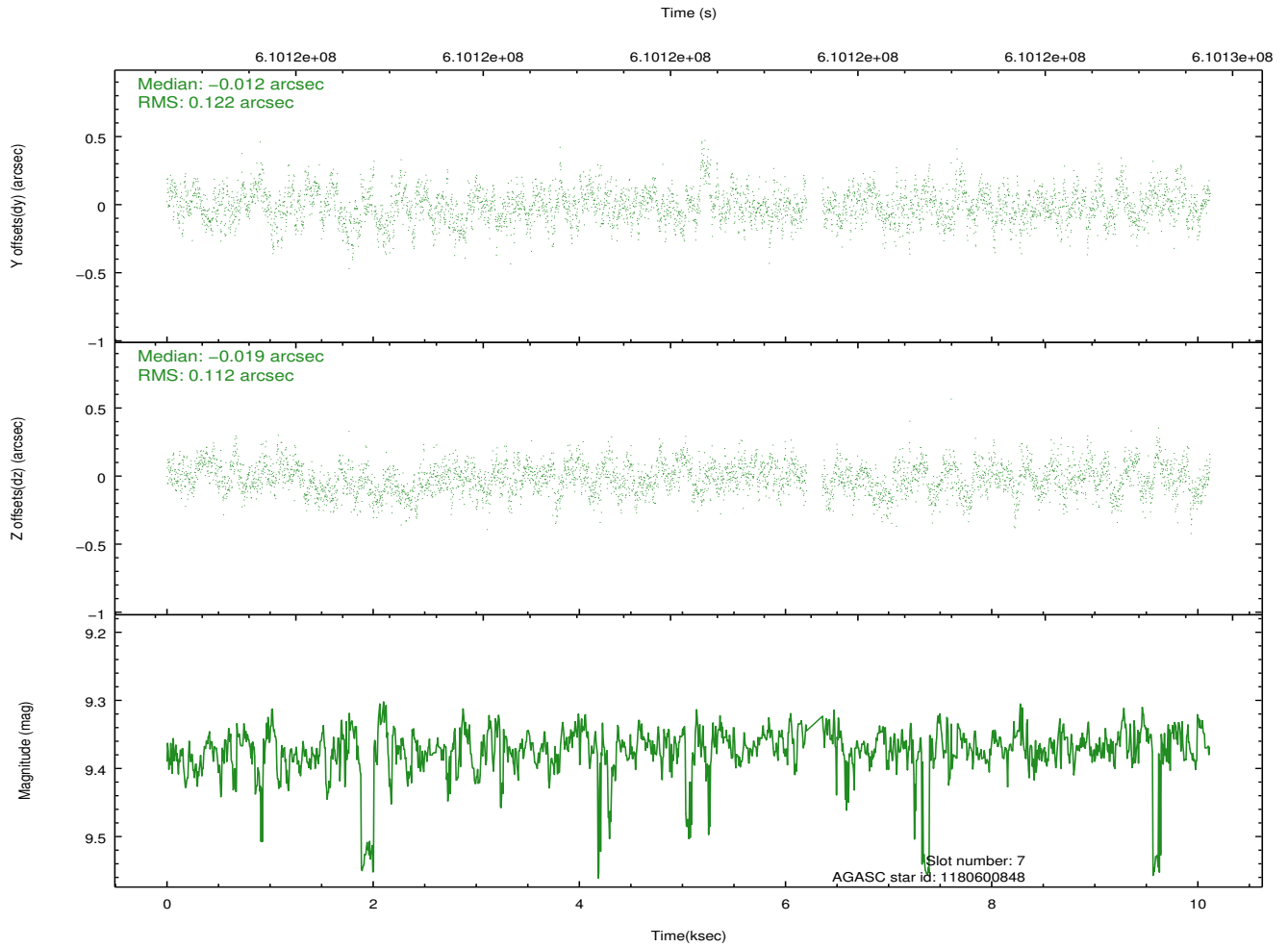
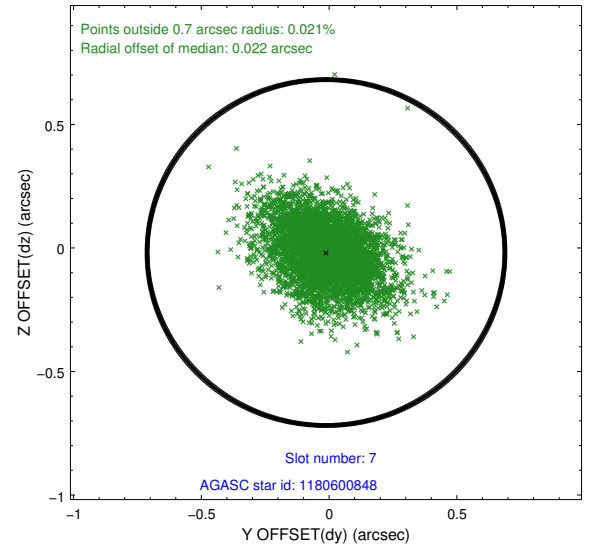
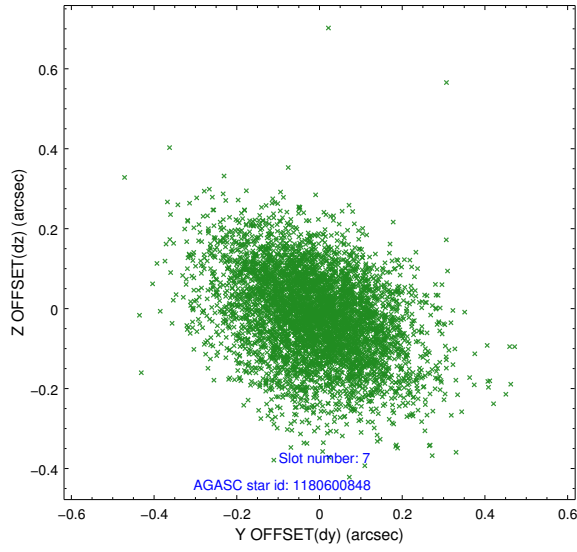
2.4.3 Slot 5



2.4.4 Slot 6

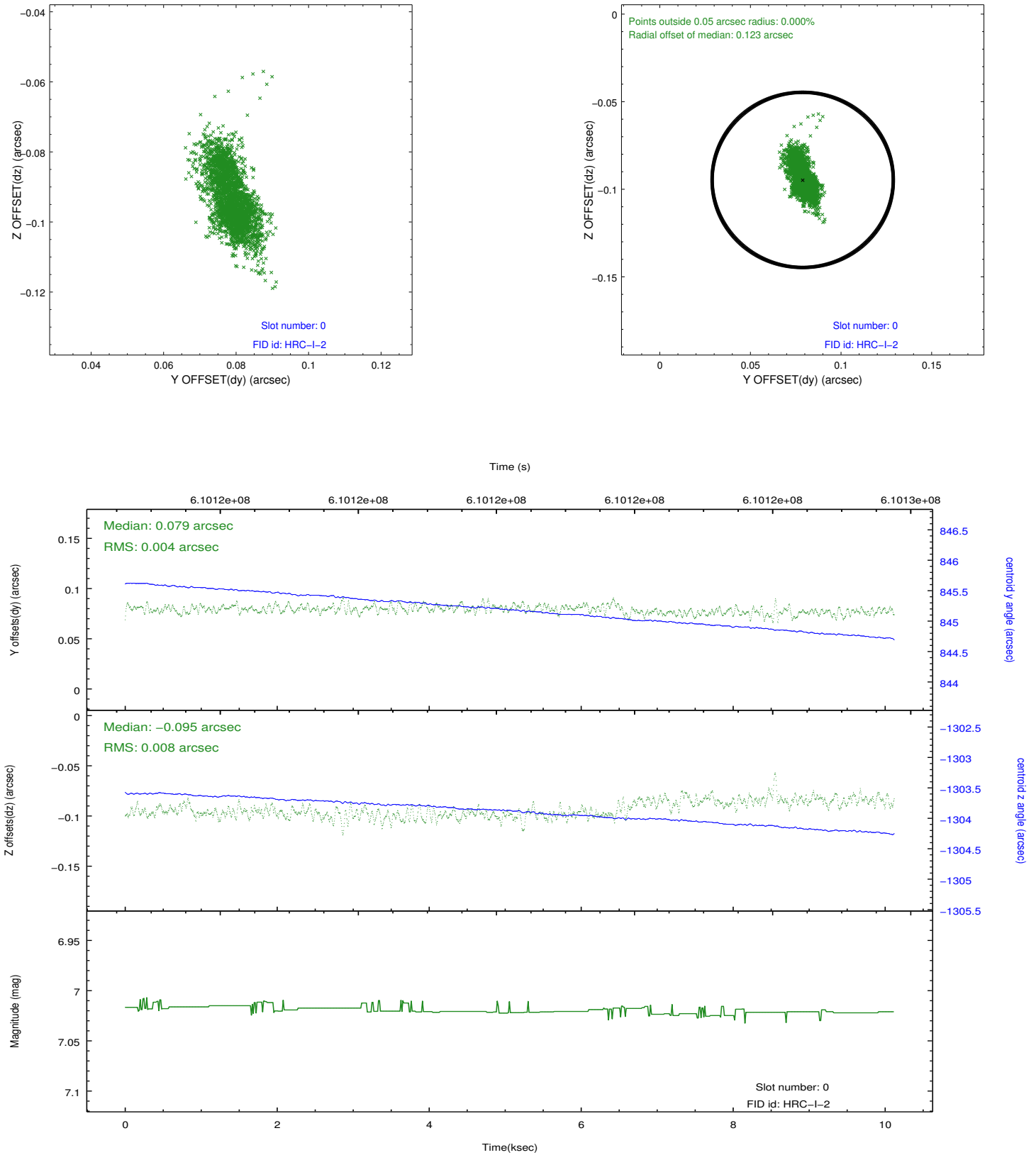


2.4.5 Slot 7

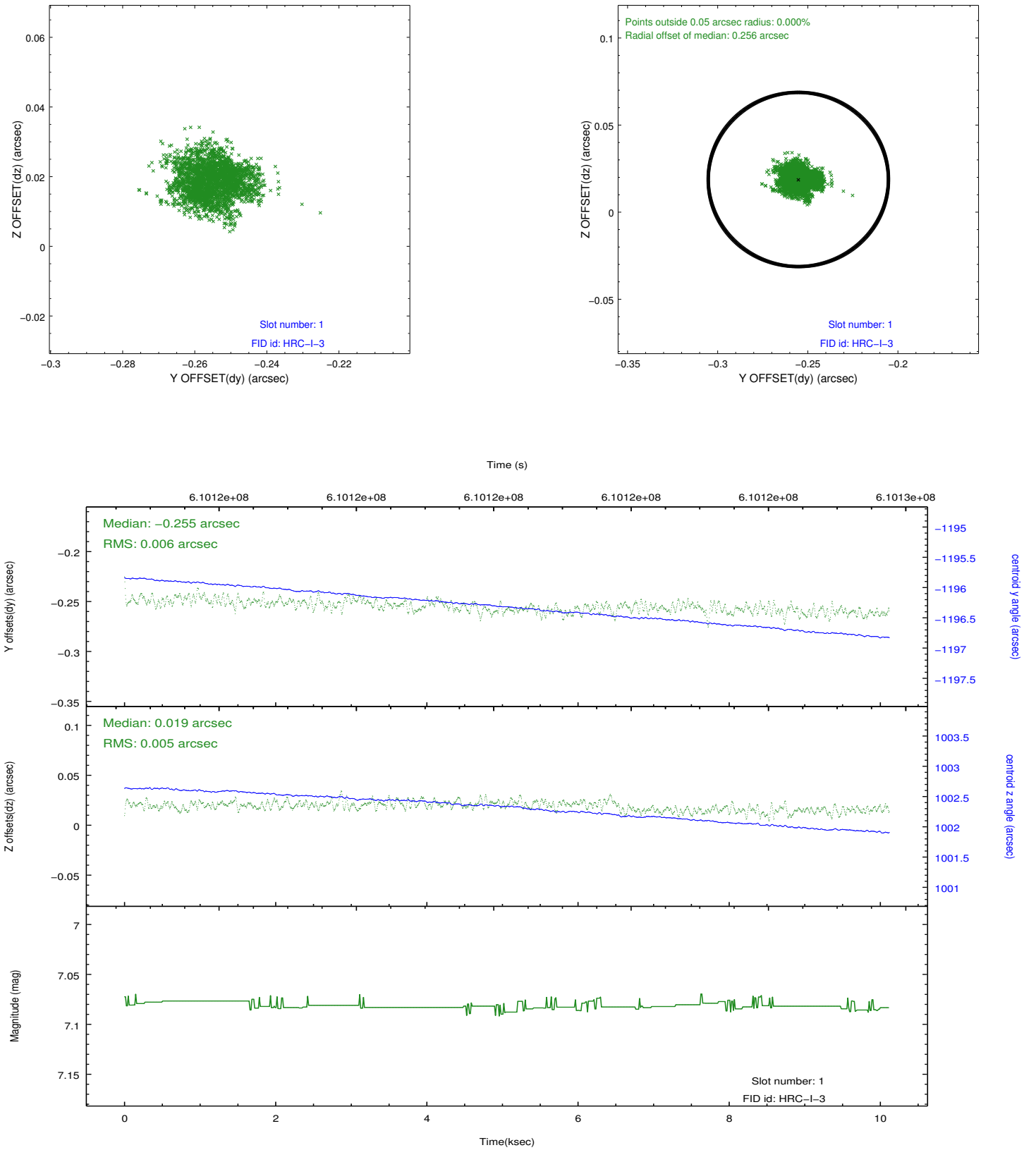


2.5 FID Slots

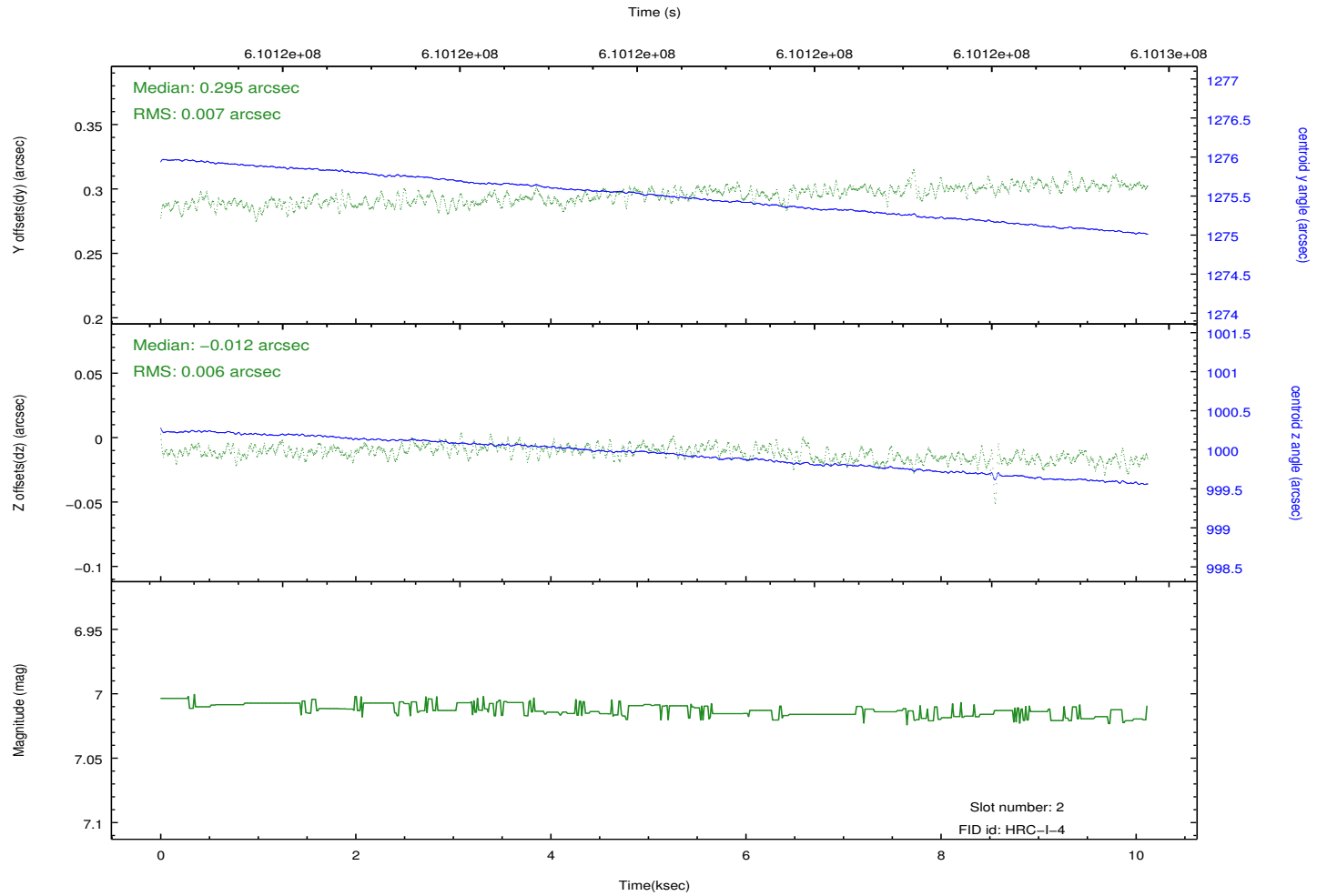
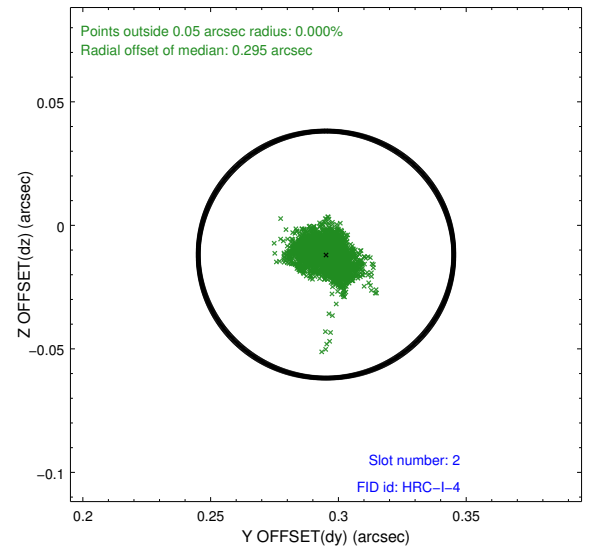
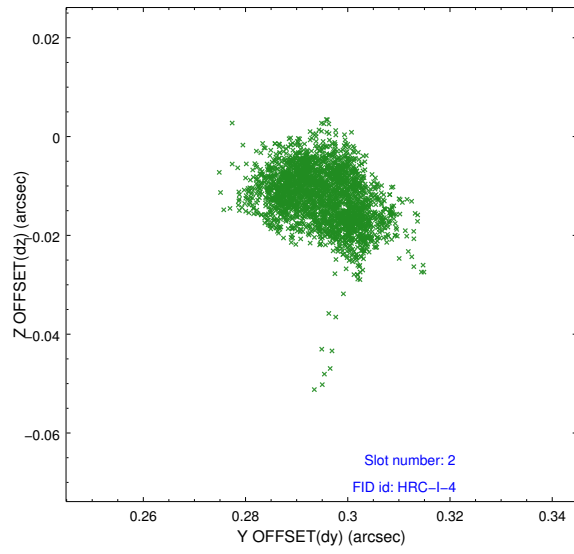
2.5.1 Slot 0



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)	2017.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.12008183825

A.2 Comments