

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18304 - L2 Version 1
Chandra X-Ray Center

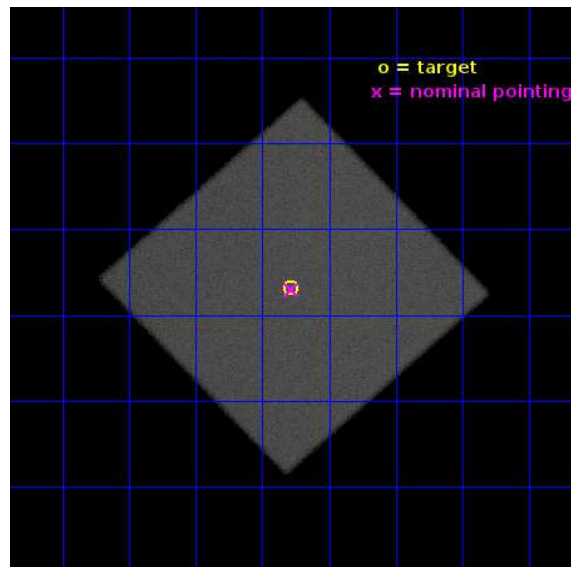
L2 Processing Date : Mar 9 2016

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

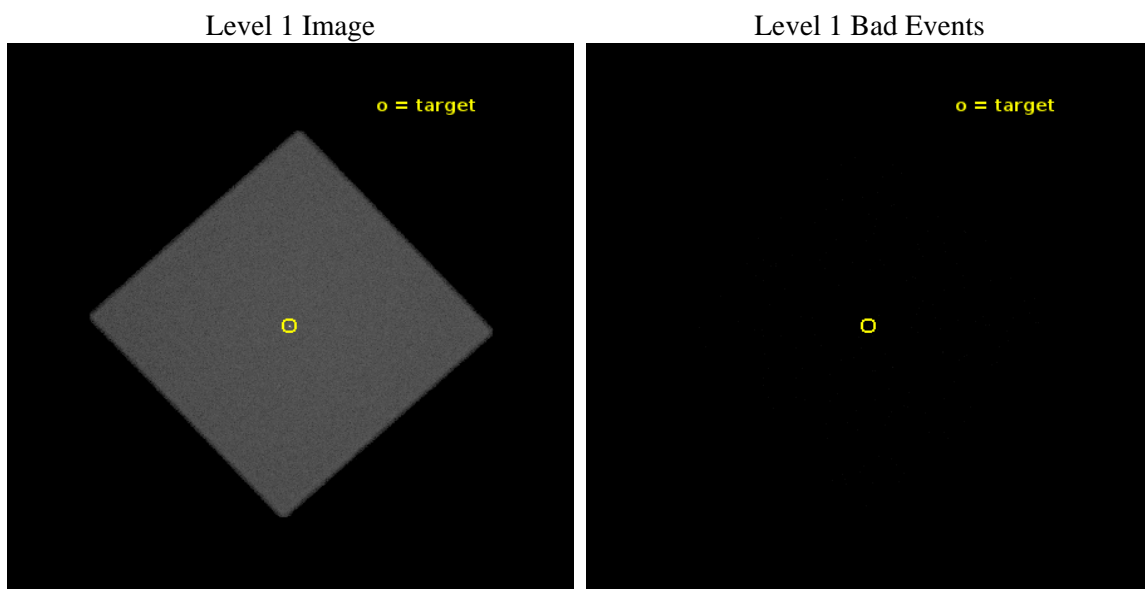
seq_num	201075	Sequence number
obs_id	18304	Observation id
title	Procyon: A New Candidate for the Dynamo Clinical Trial	Proposal ti
observer	Dr Thomas Ayres	Principal investigator
object	PROCYON	Source name
ra_targ	114.822083	Observer's specified target RA [deg]
dec_targ	5.220111	Observer's specified target Dec [deg]
ra_nom	114.82074331833	Nominal RA [deg]
dec_nom	5.2161533988007	Nominal Dec [deg]
roll_nom	272.29729395684	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10179.01933074	[s]
livetime	9676.099437564	Ontime multiplied by DTCOR
l2events	981128	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	10.4.3.1	Processing system revision	ontime	10179.01933074	[s]
caldsver	4.7.0	 	l1events	1347627	Number of level 1 events
date	2016-03-09T08:13:26	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

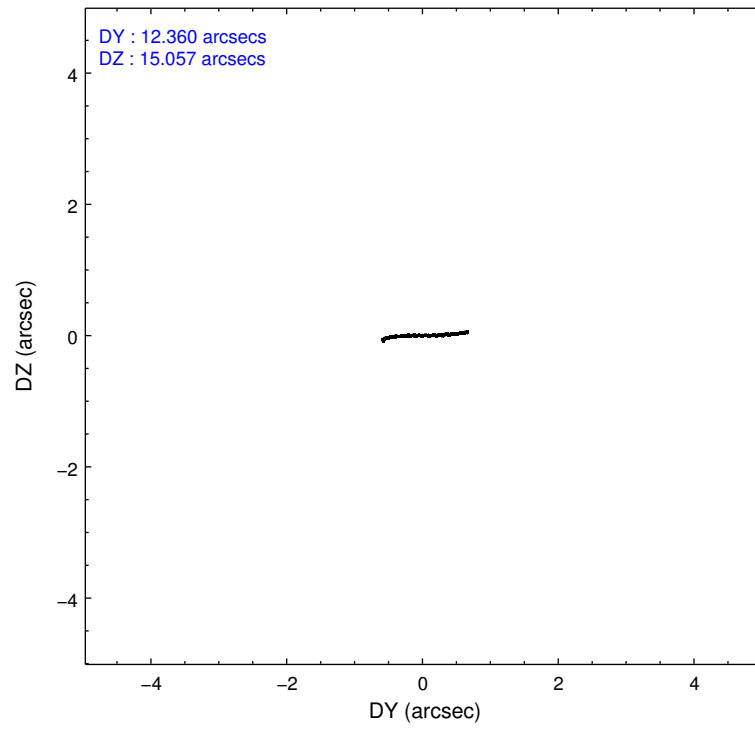
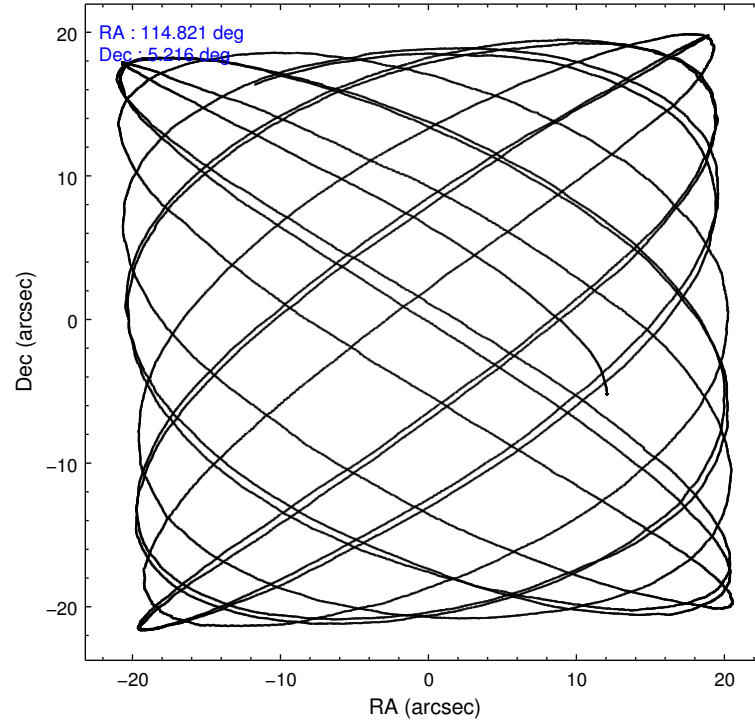
	segment 0
level 1 events	1347627
rejected events	70788
rejected %	5%

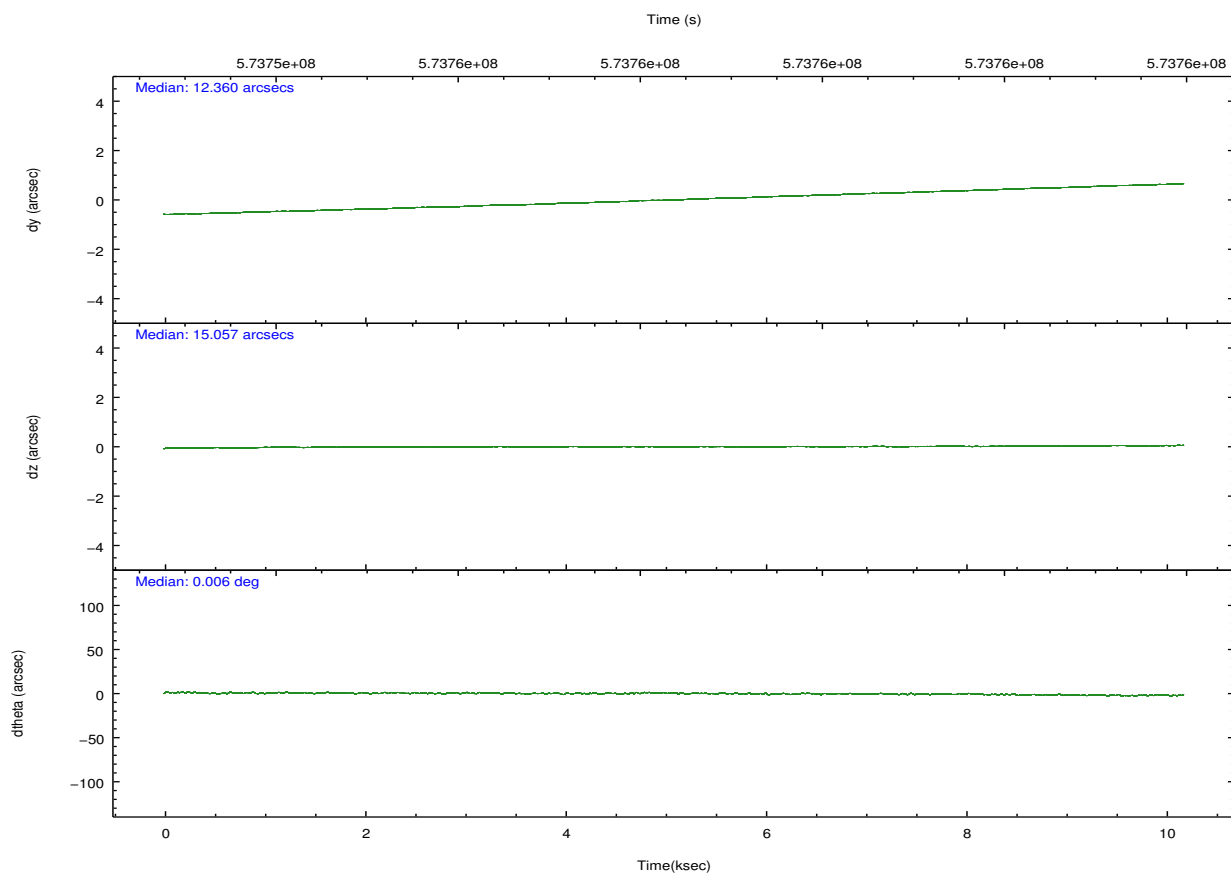
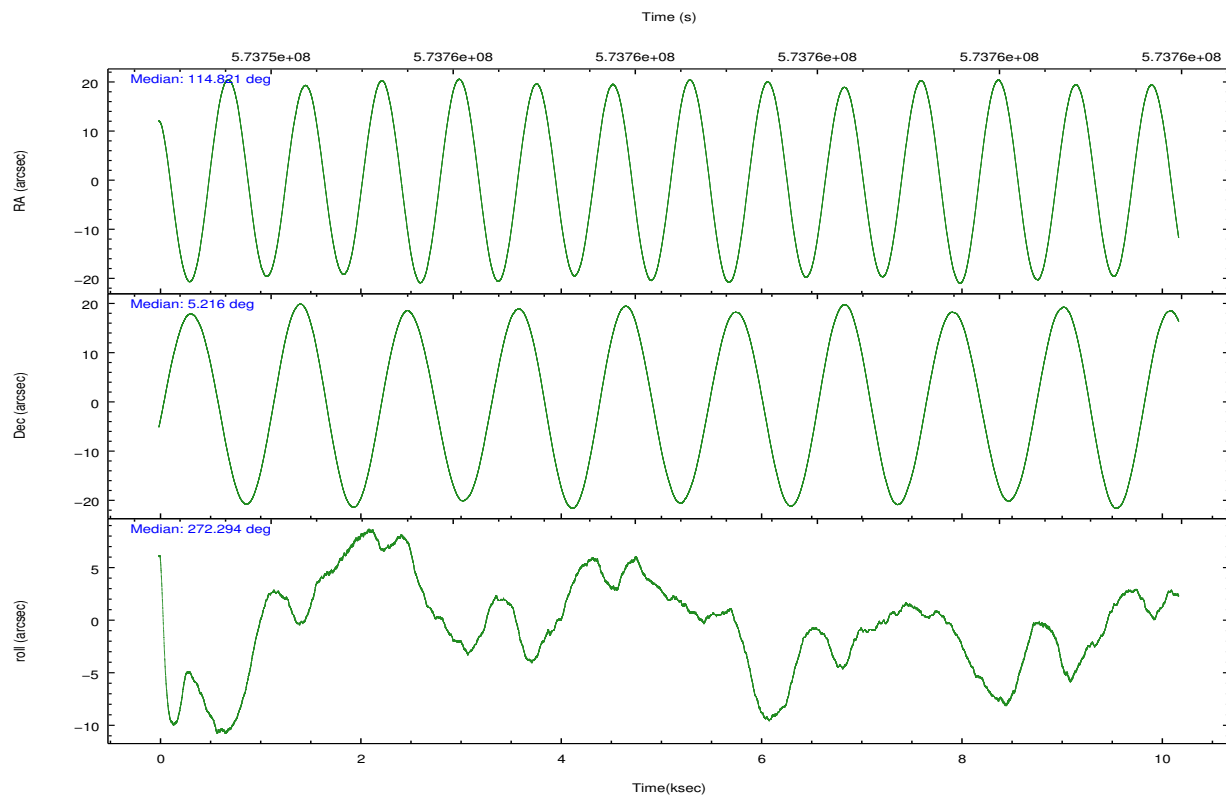
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	114.805548	114.8207433183256
[deg] Pointing Dec	5.238772	5.216153398800694
[deg] Pointing Roll	272.394152	272.2972939568366
[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)	573753443.184000	573752657.11535
Observation start date	2016-03-07T15:56:15	2016-03-07T15:44:17
[s] Observation end time (MET)	573763443.184000	573764599.39103
Observation end date	2016-03-07T18:42:55	2016-03-07T19:03:19

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



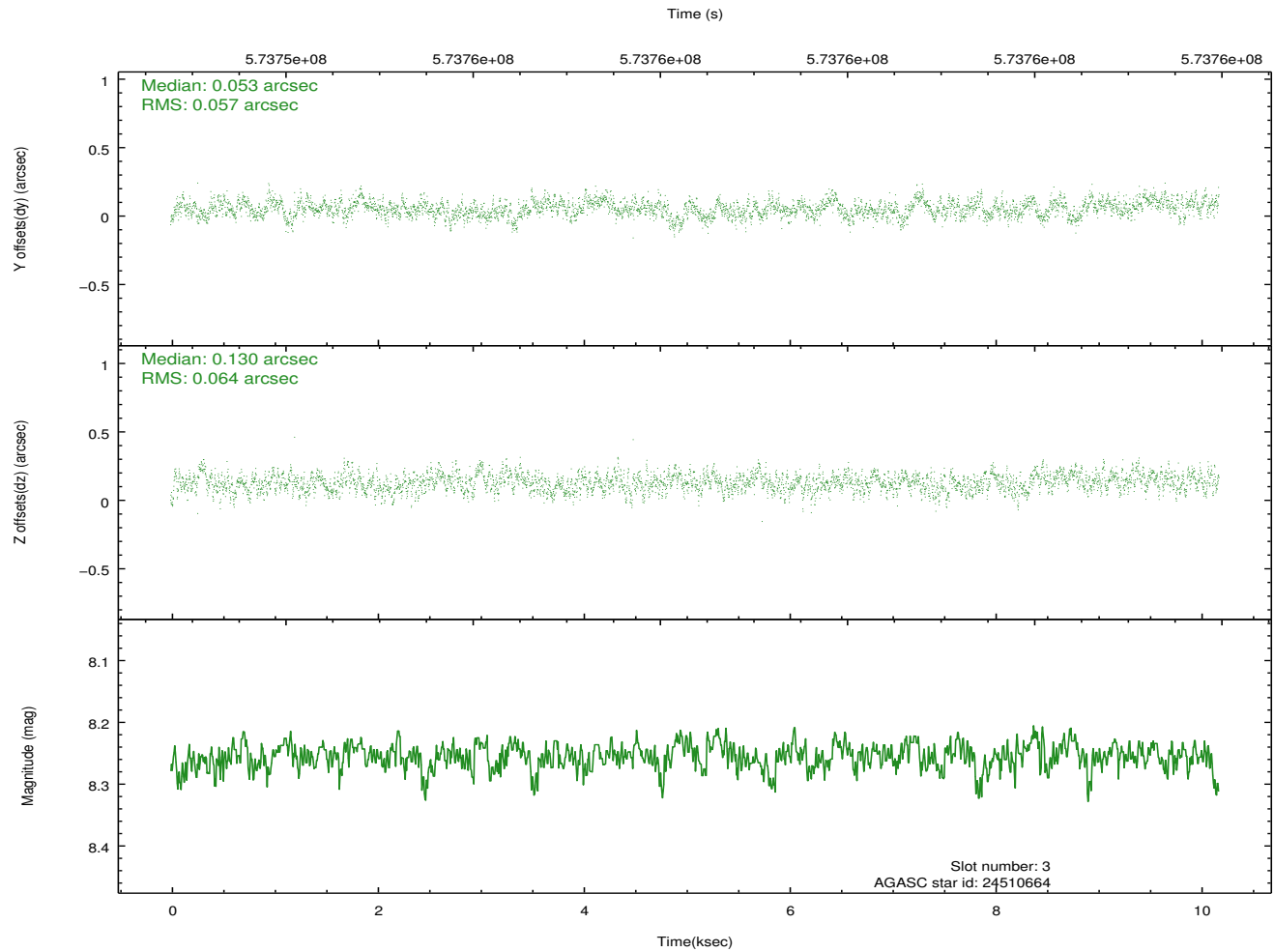
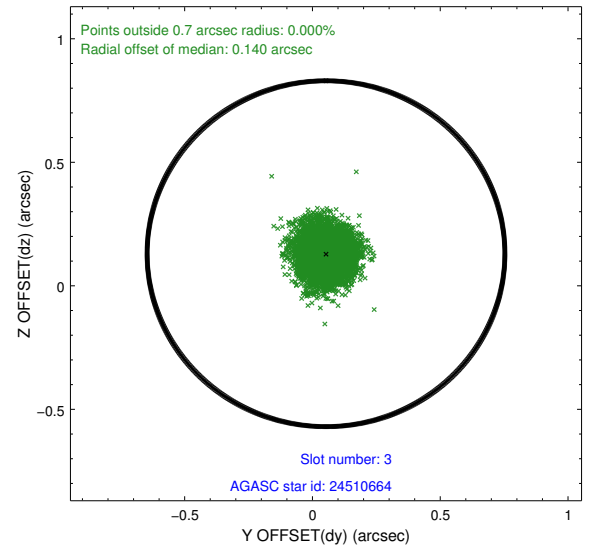
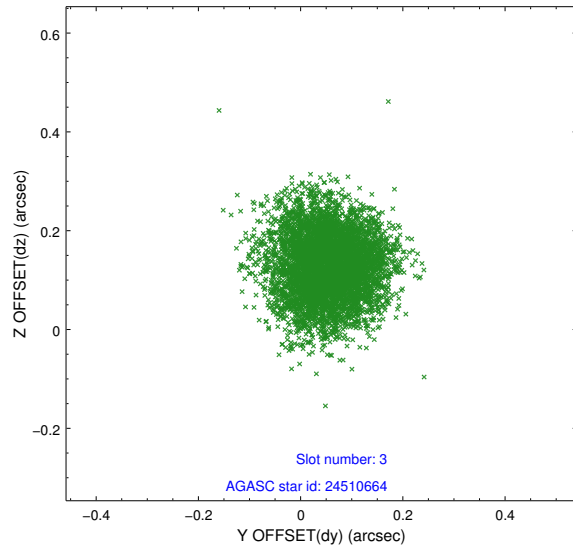


Slot Statistics

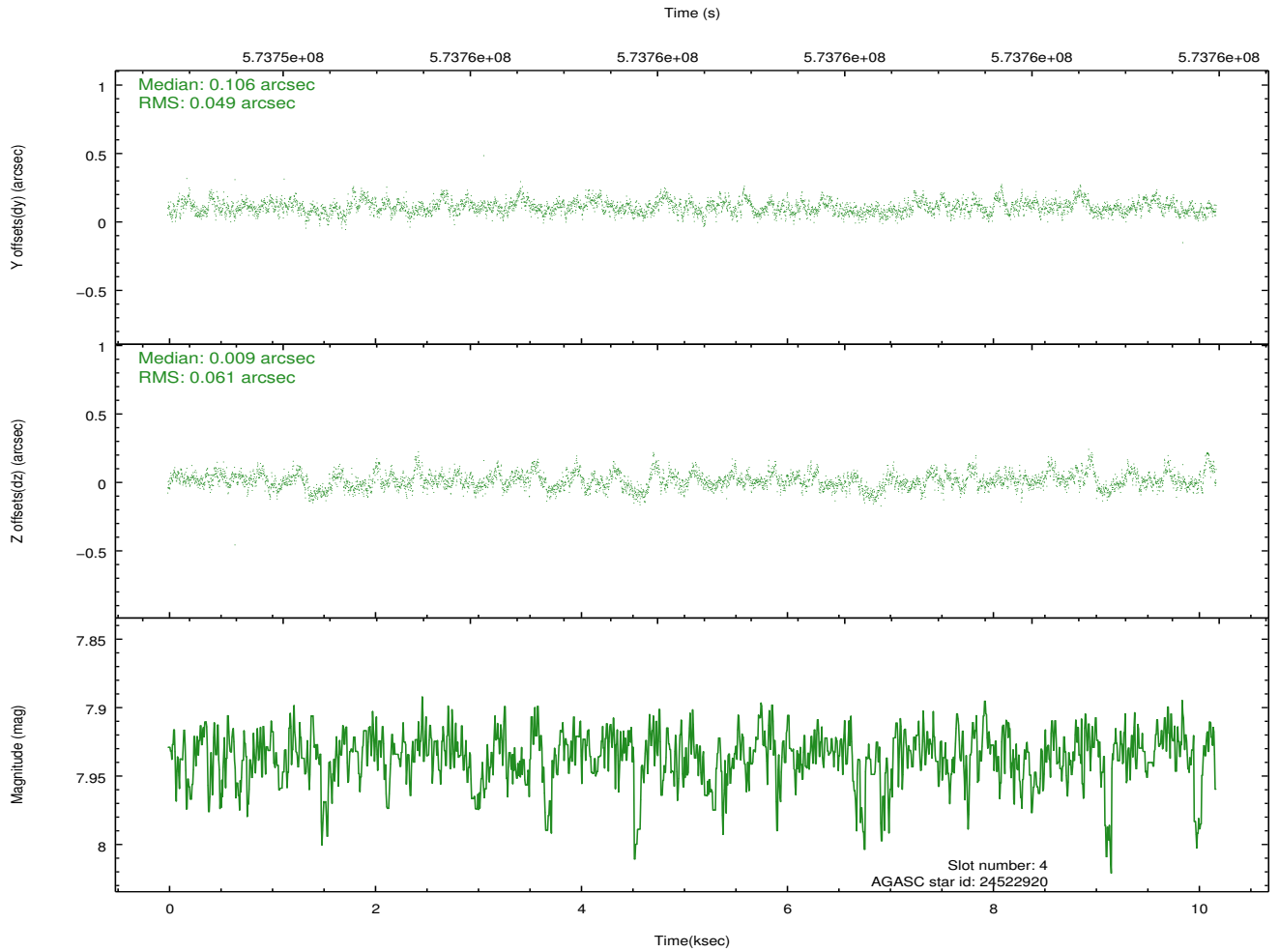
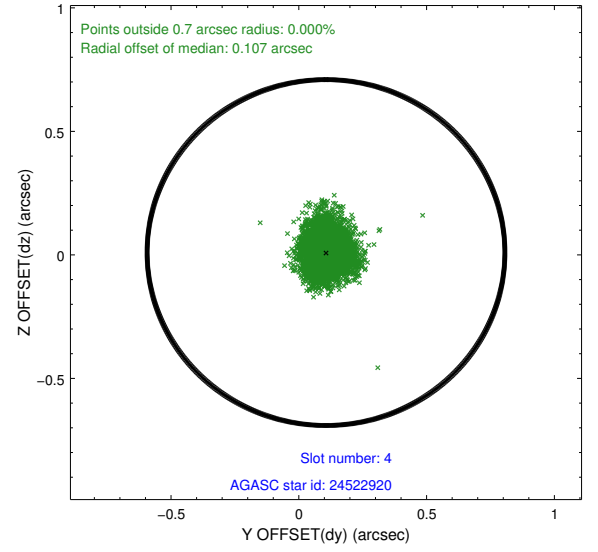
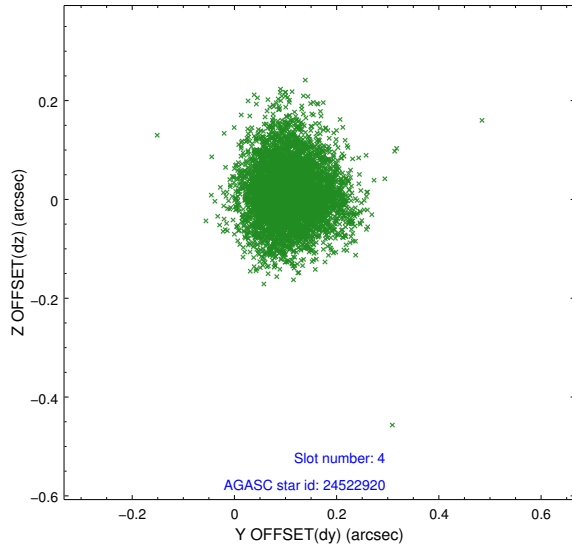
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	2483	-0.187	-0.029	0.013	0.018	0.000000	0.000000	-768.24	-1303.20
1	FID		HRC-I-2	7.02	2483	0.345	-0.118	0.014	0.023	0.000000	0.000000	844.62	-1305.32
2	FID		HRC-I-3	7.09	2483	-0.037	0.057	0.008	0.014	0.000000	0.000000	-1196.32	1000.91
3	GUIDE	used	24510664	8.25	4966	0.053	0.130	0.092	0.145	114.507675	5.586603	-1293.04	-1017.25
4	GUIDE	used	24522920	7.93	4966	0.106	0.009	0.082	0.136	114.615561	5.074592	562.52	-705.51
5	GUIDE	used	24522960	7.80	4967	-0.107	-0.174	0.083	0.135	115.195385	5.000625	915.14	1360.82
6	GUIDE	used	25039776	8.62	4964	-0.177	-0.002	0.090	0.151	115.184333	5.805632	-1982.13	1440.95
7	GUIDE	used	24527744	9.26	4963	0.133	0.027	0.136	0.238	115.498042	4.652132	2213.14	2395.33

2.4 Star Slots

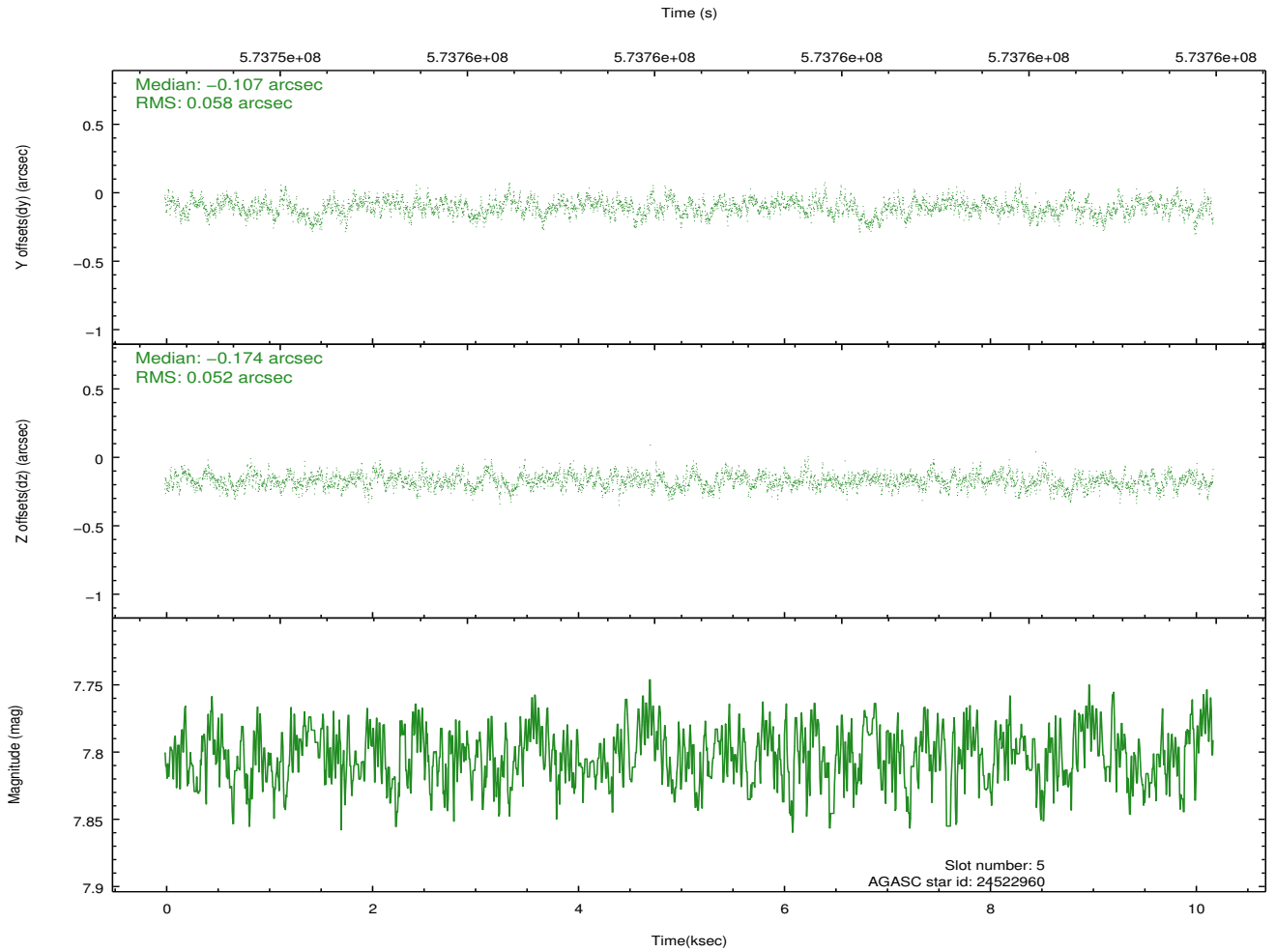
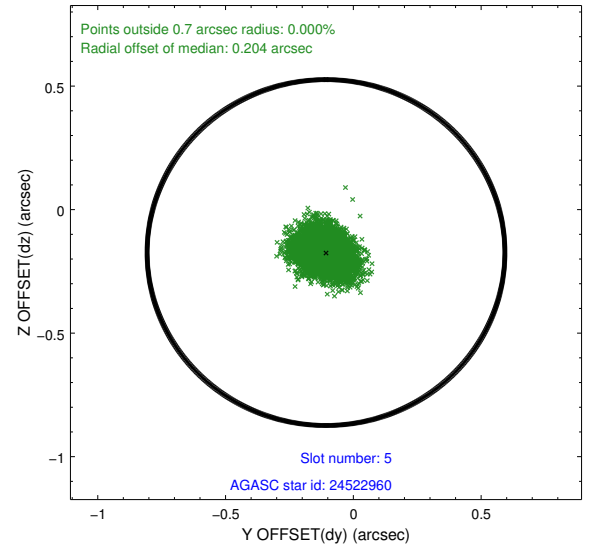
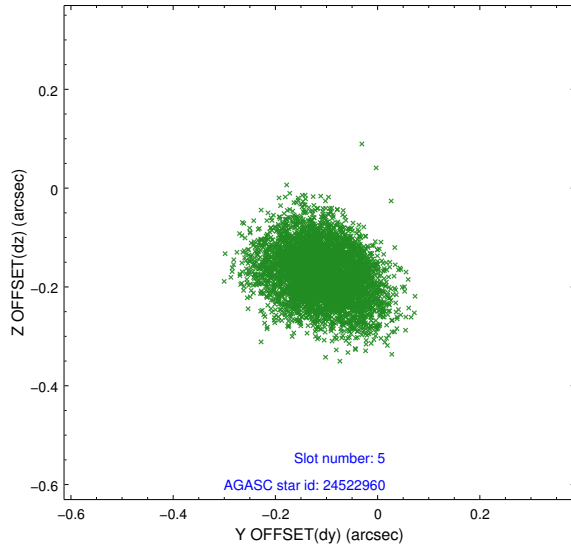
2.4.1 Slot 3



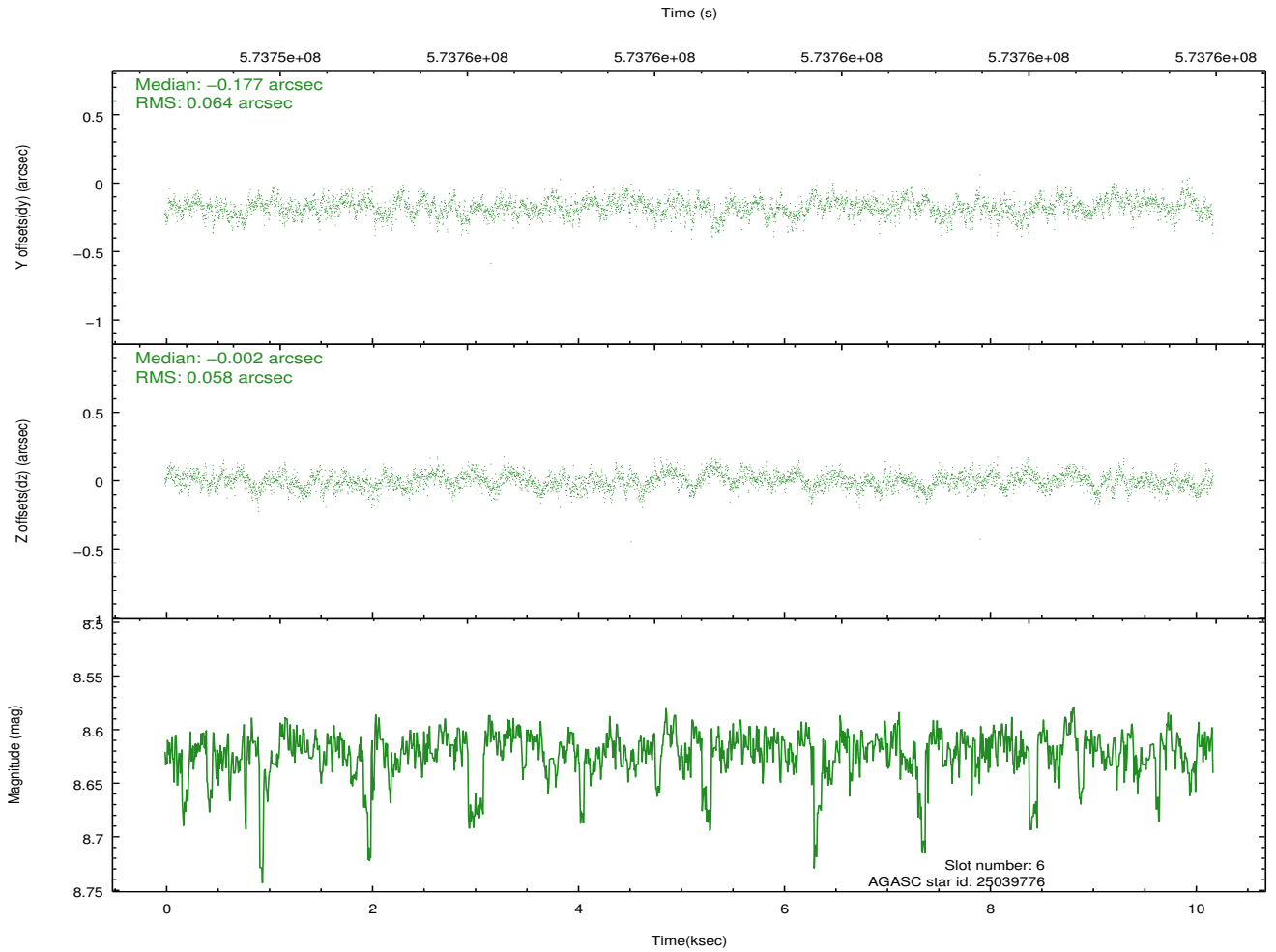
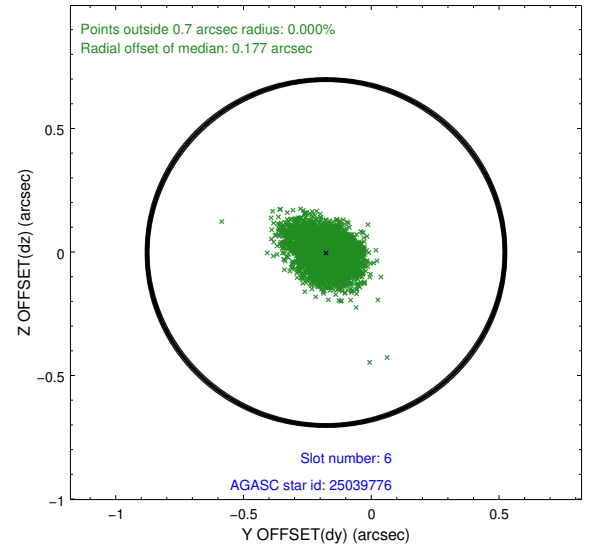
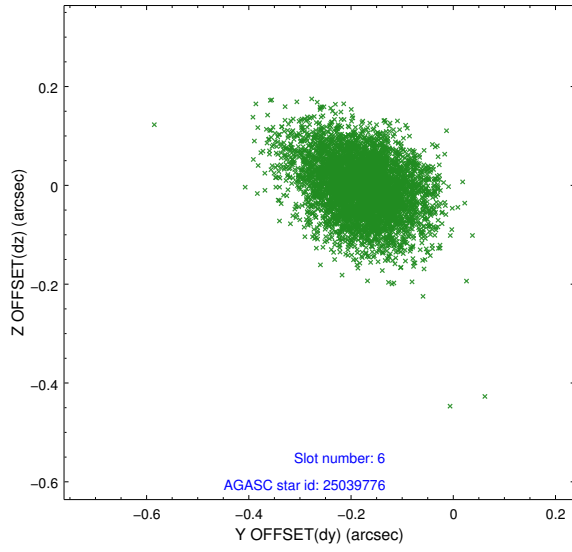
2.4.2 Slot 4



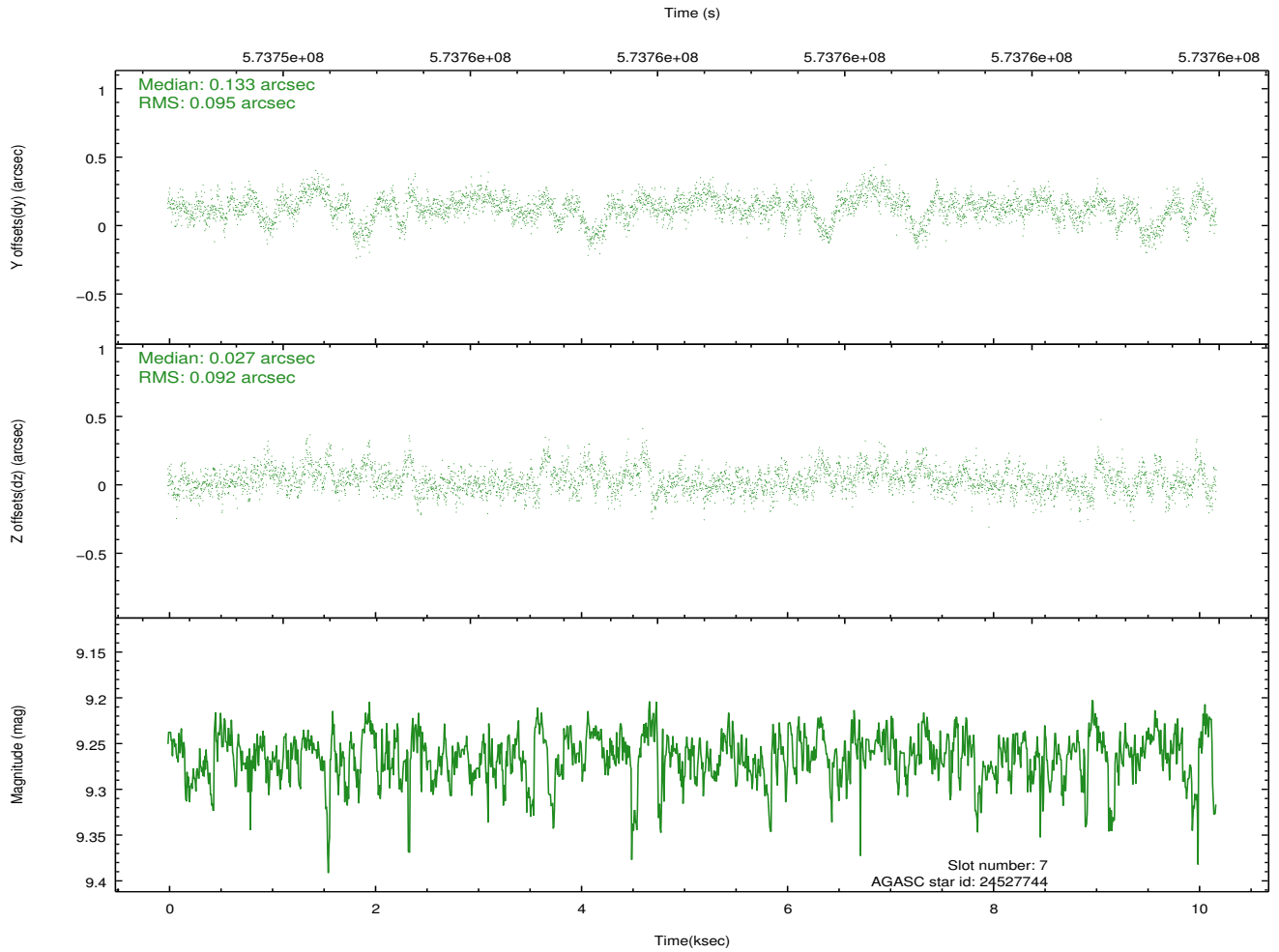
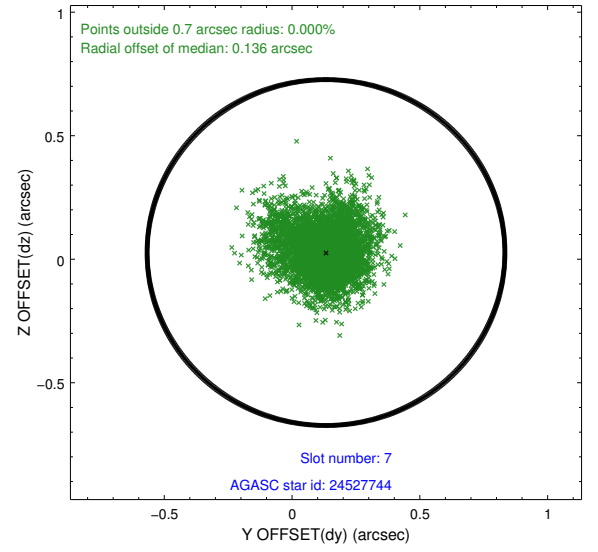
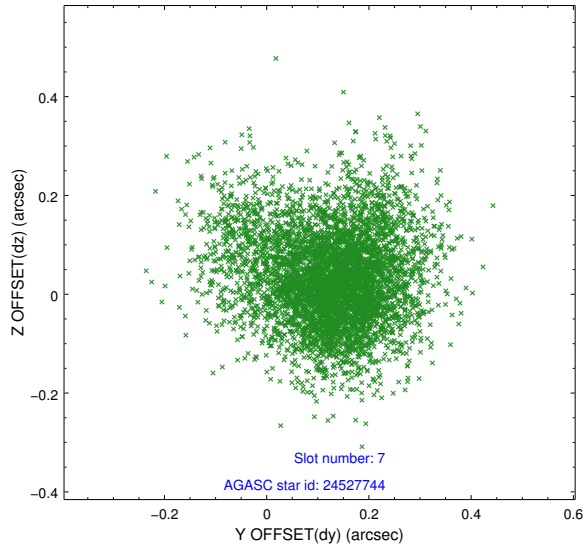
2.4.3 Slot 5



2.4.4 Slot 6

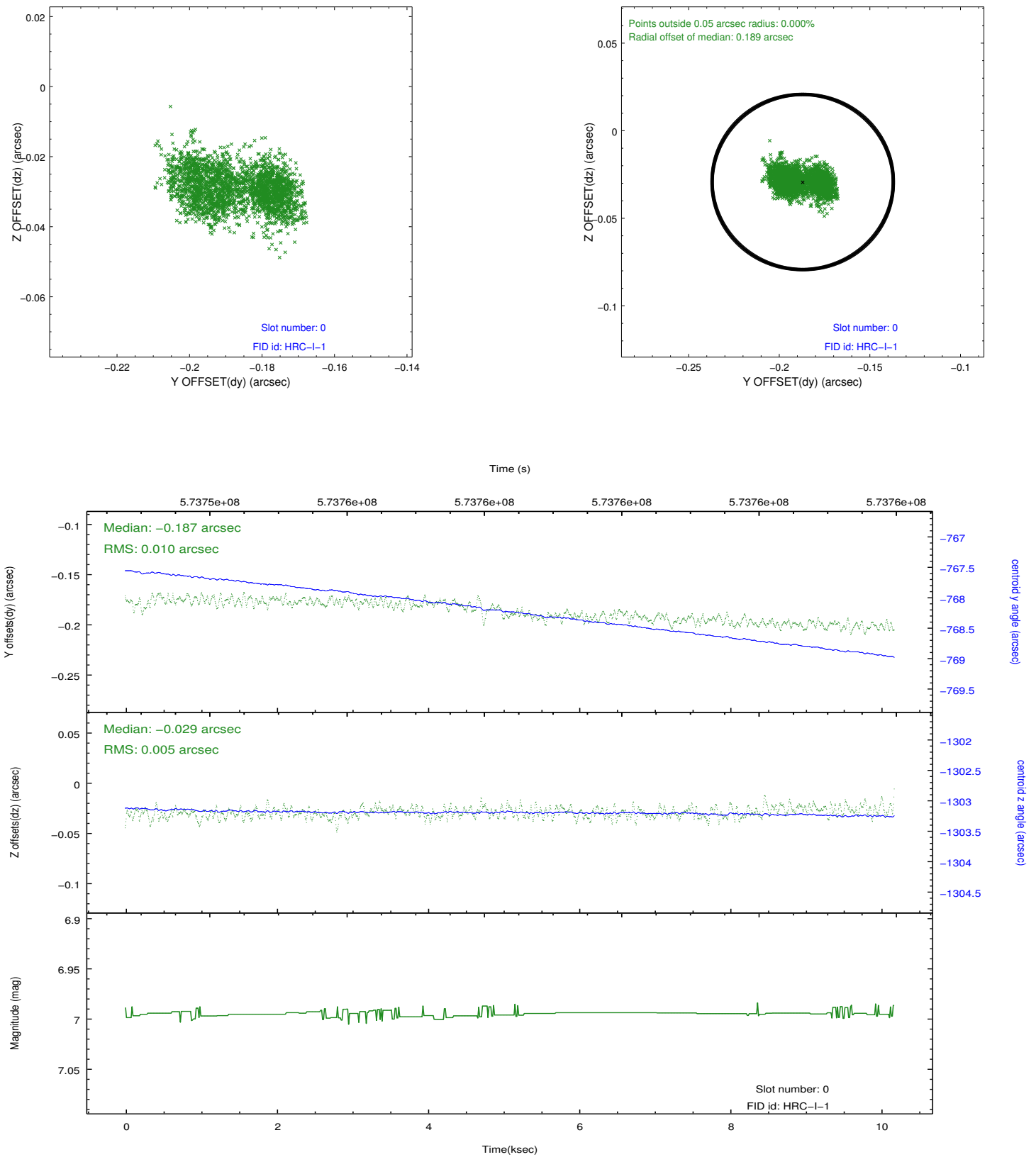


2.4.5 Slot 7

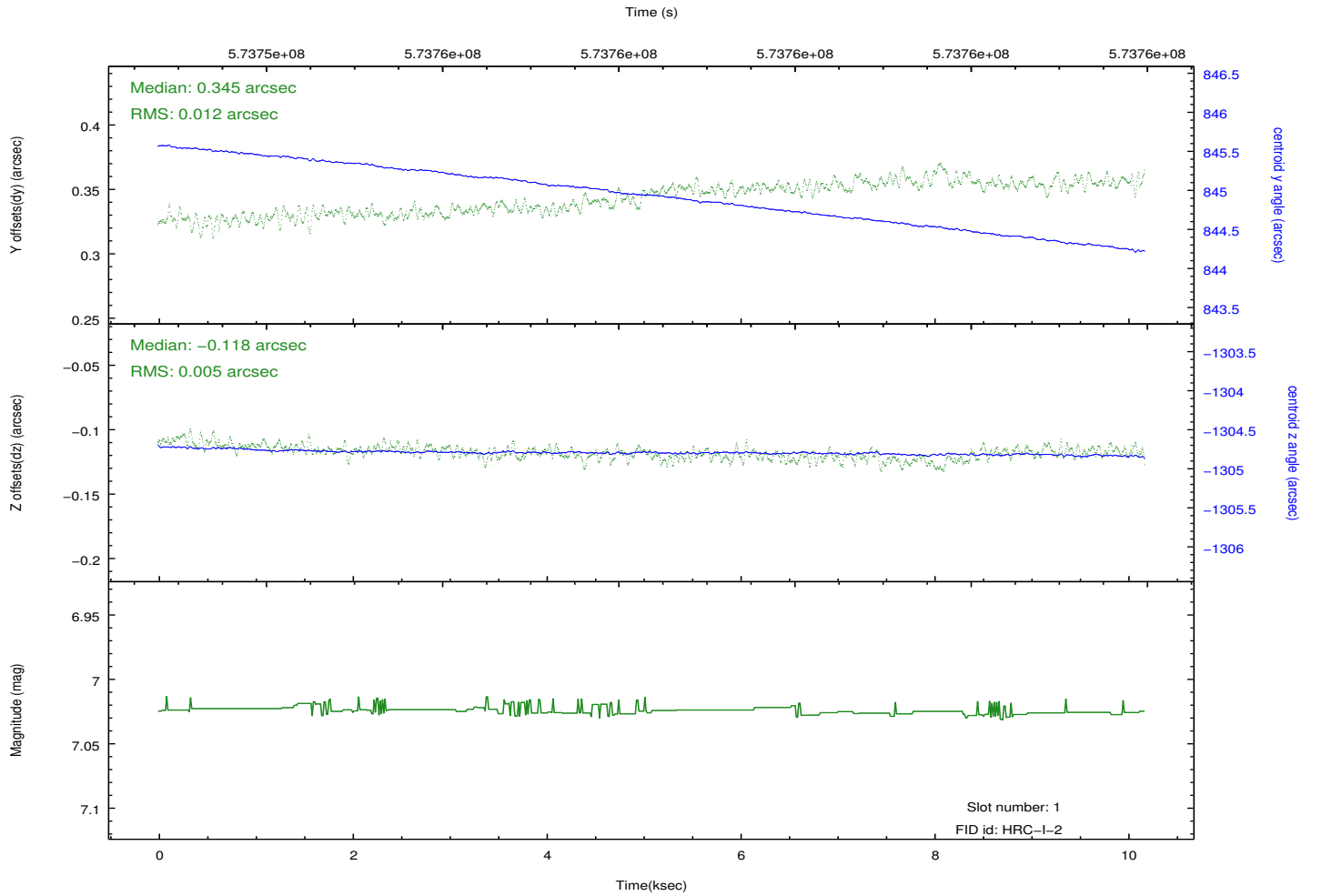
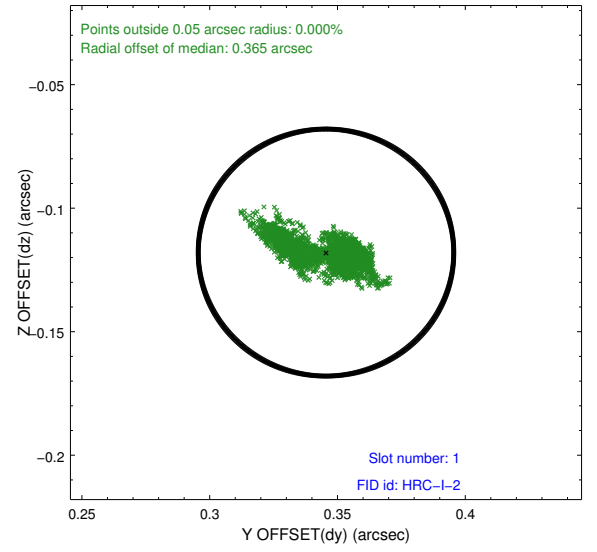
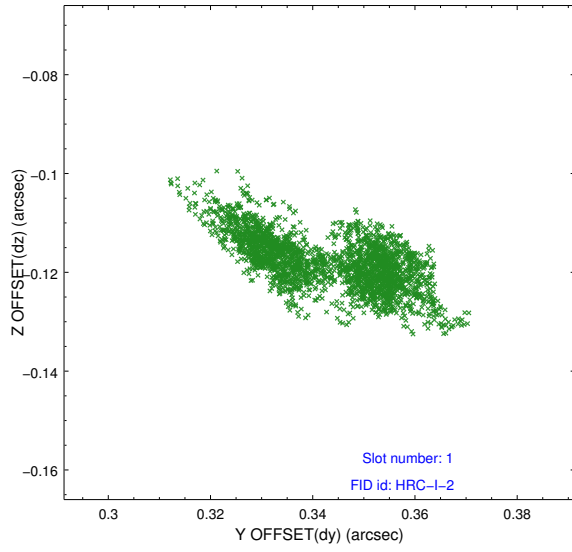


2.5 FID Slots

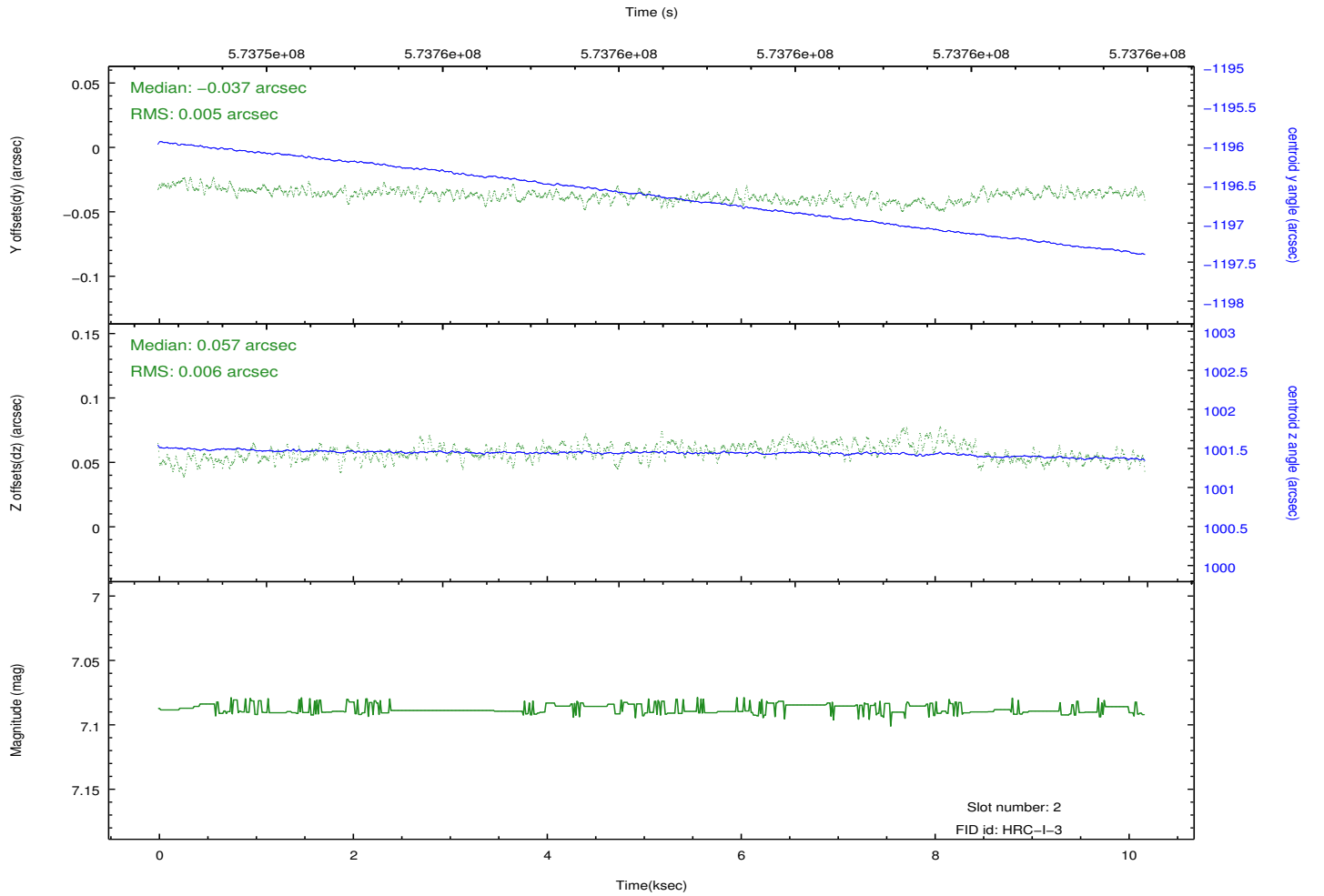
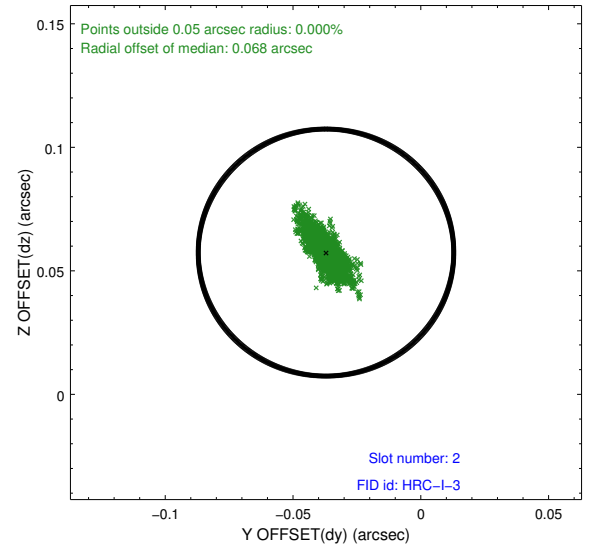
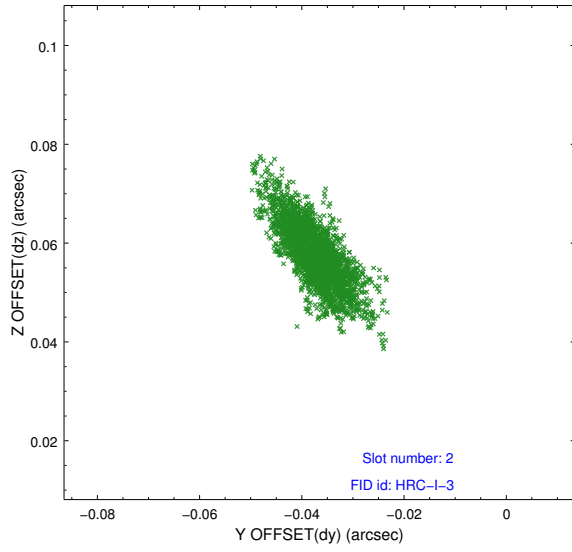
2.5.1 Slot 0



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)	2016.03.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.17901933074

A.2 Comments