

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22134 - L2 Version 1
Chandra X-Ray Center

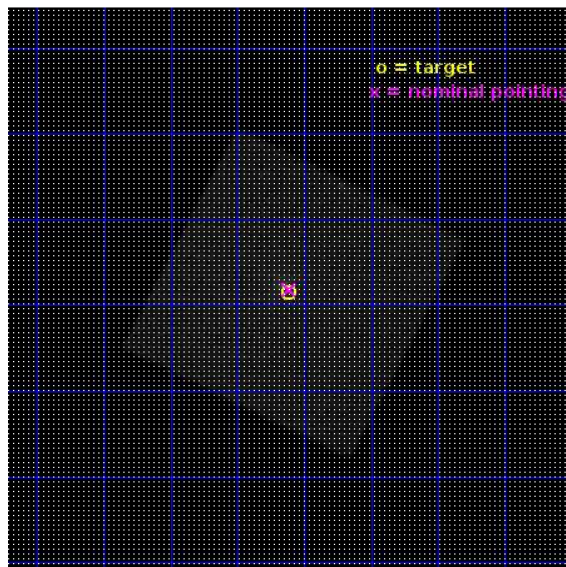
L2 Processing Date : Mar 5 2019

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1 Front

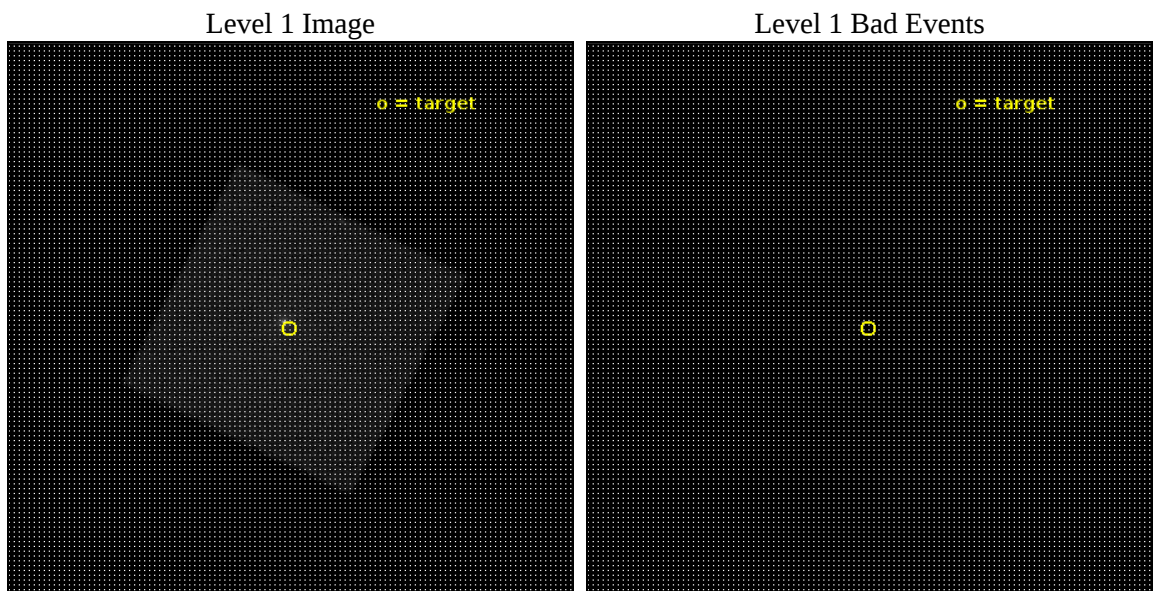
seq_num	402115	Sequence number
obs_id	22134	Observation id
title	Determining the X-ray Position of 4U 1901+03	Proposal title
observer	Paul Hemphill	Principal investigator
object	4U 1901+03	Source name
ra_targ	285.904583	Observer's specified target RA [deg]
dec_targ	3.191944	Observer's specified target Dec [deg]
ra_nom	285.90266424085	Nominal RA [deg]
dec_nom	3.1969269138161	Nominal Dec [deg]
roll_nom	71.90457671536	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2182.4813805819	[s]
livetime	2150.3534140728	Ontime multiplied by DTCOR
l2events	296874	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	2182.4813805819	[s]
caldbver	4.8.2	 	l1events	514705	Number of level 1 events
date	2019-03-06T04:17:39	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

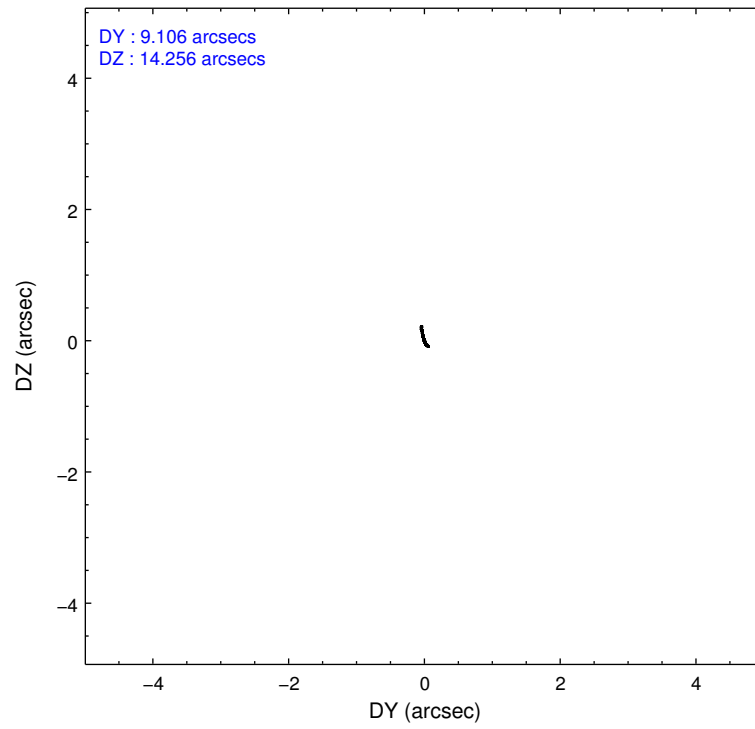
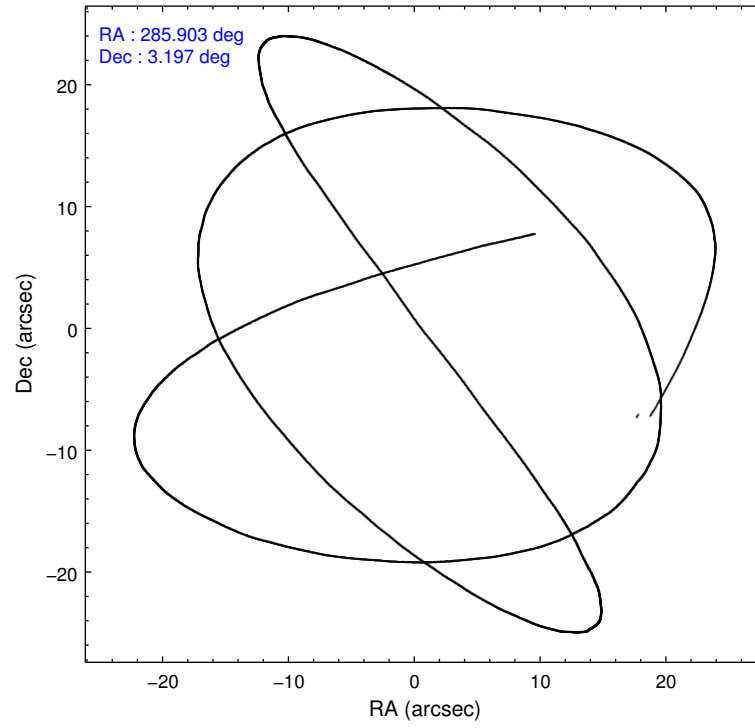
Level 1 Events

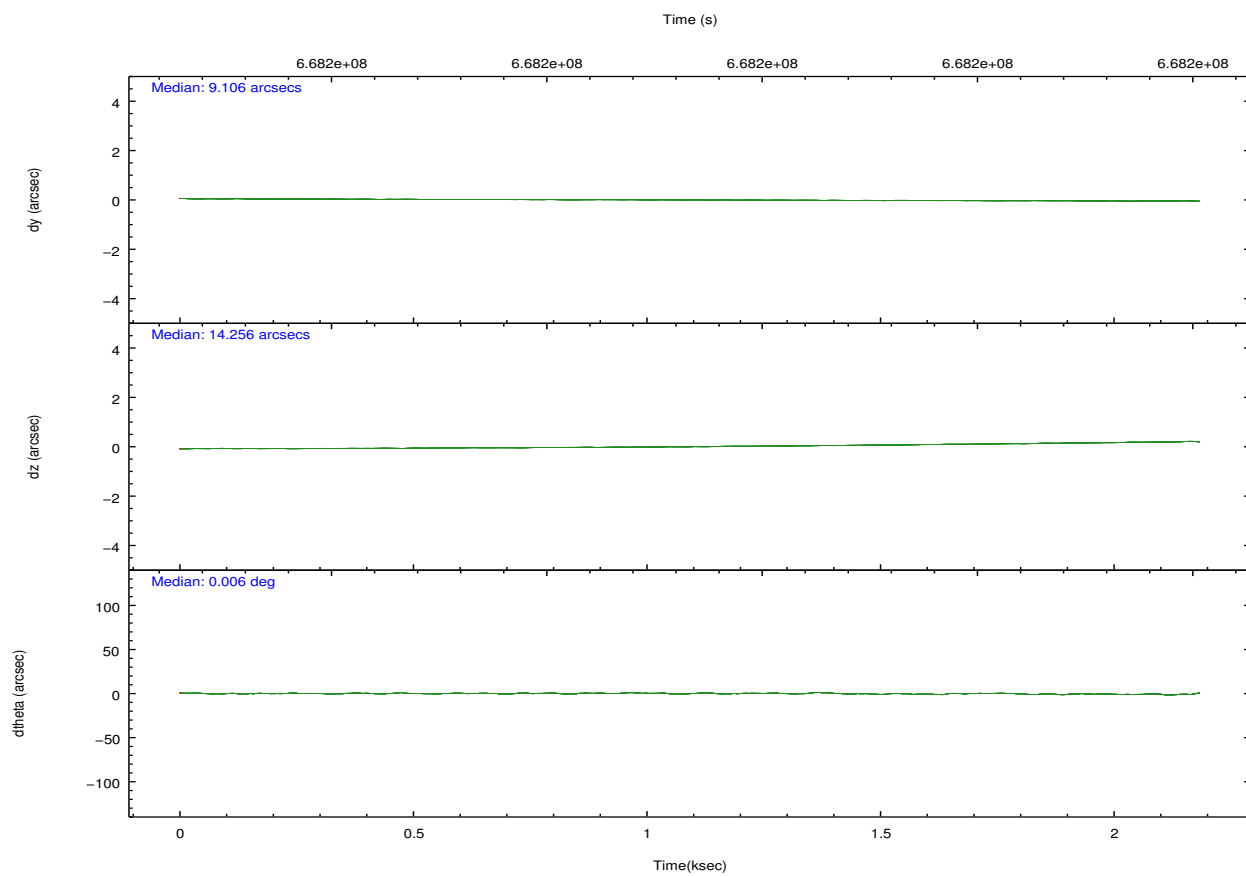
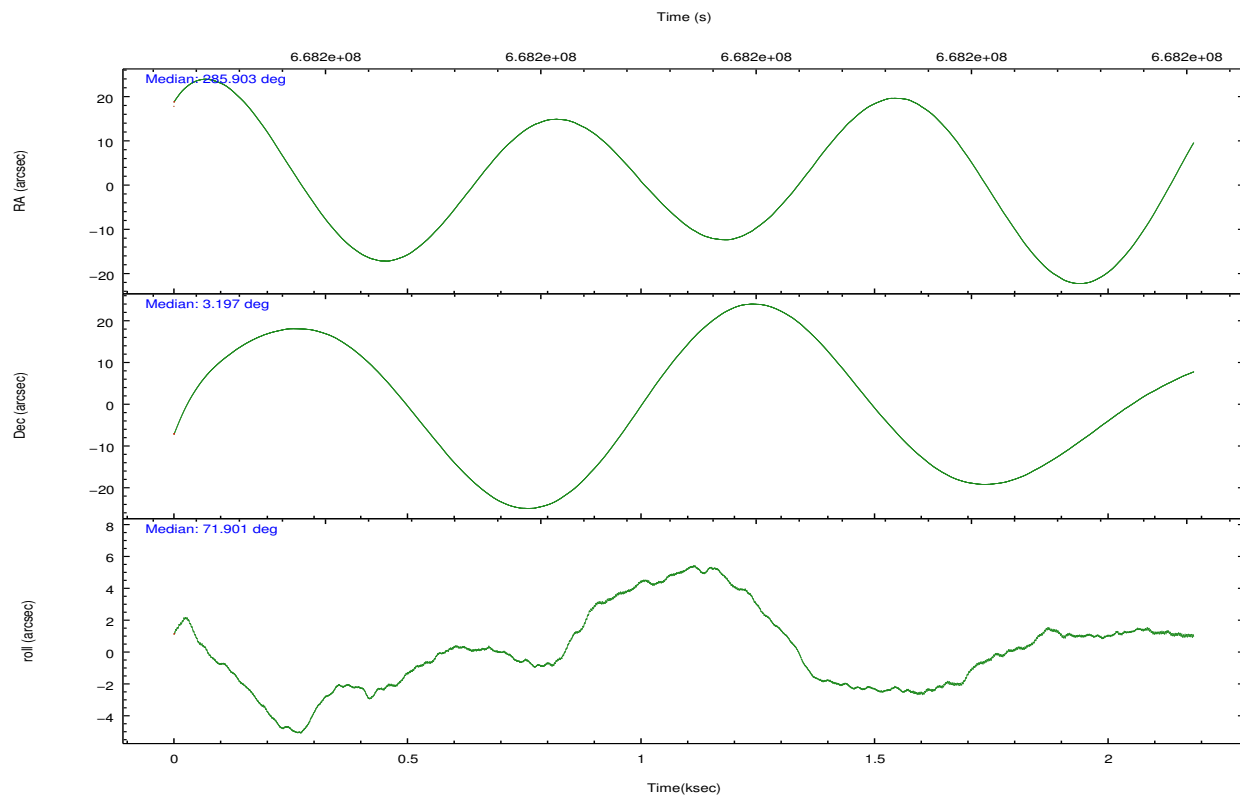
	segment 0
level 1 events	514705
rejected events	165085
rejected %	32%

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	285.909113	285.9026642408514			
[deg] Pointing Dec	3.170300	3.196926913816085			
[deg] Pointing Roll	71.999749	71.90457671536009			
[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)	668195929.184000	668194574.99111			
Observation start date	2019-03-05T17:57:40	2019-03-05T17:36:14			
[s] Observation end time (MET)	668197929.184000	668198554.55384			
Observation end date	2019-03-05T18:31:00	2019-03-05T18:42:34			

2.3 Aspect



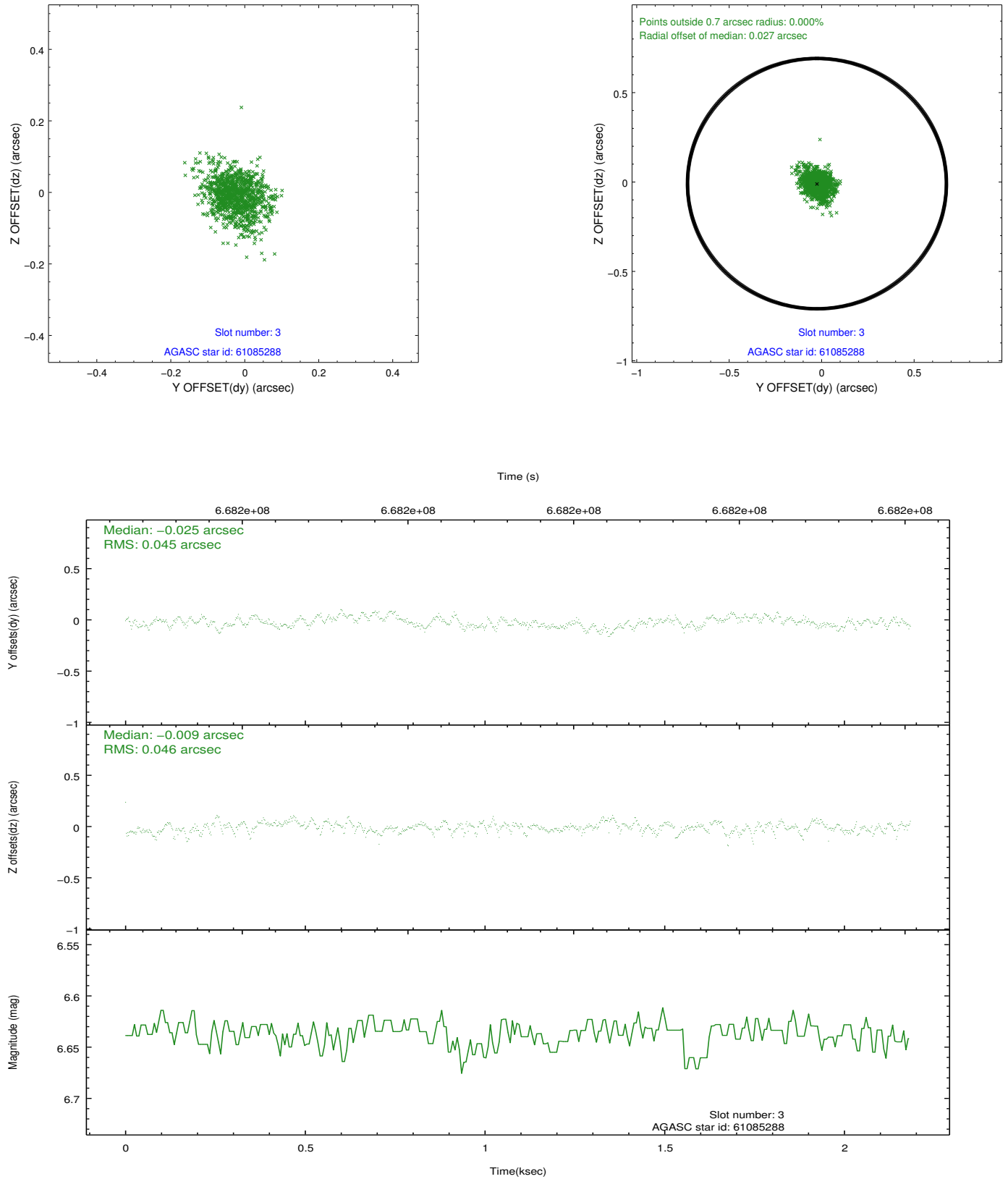


Slot Statistics

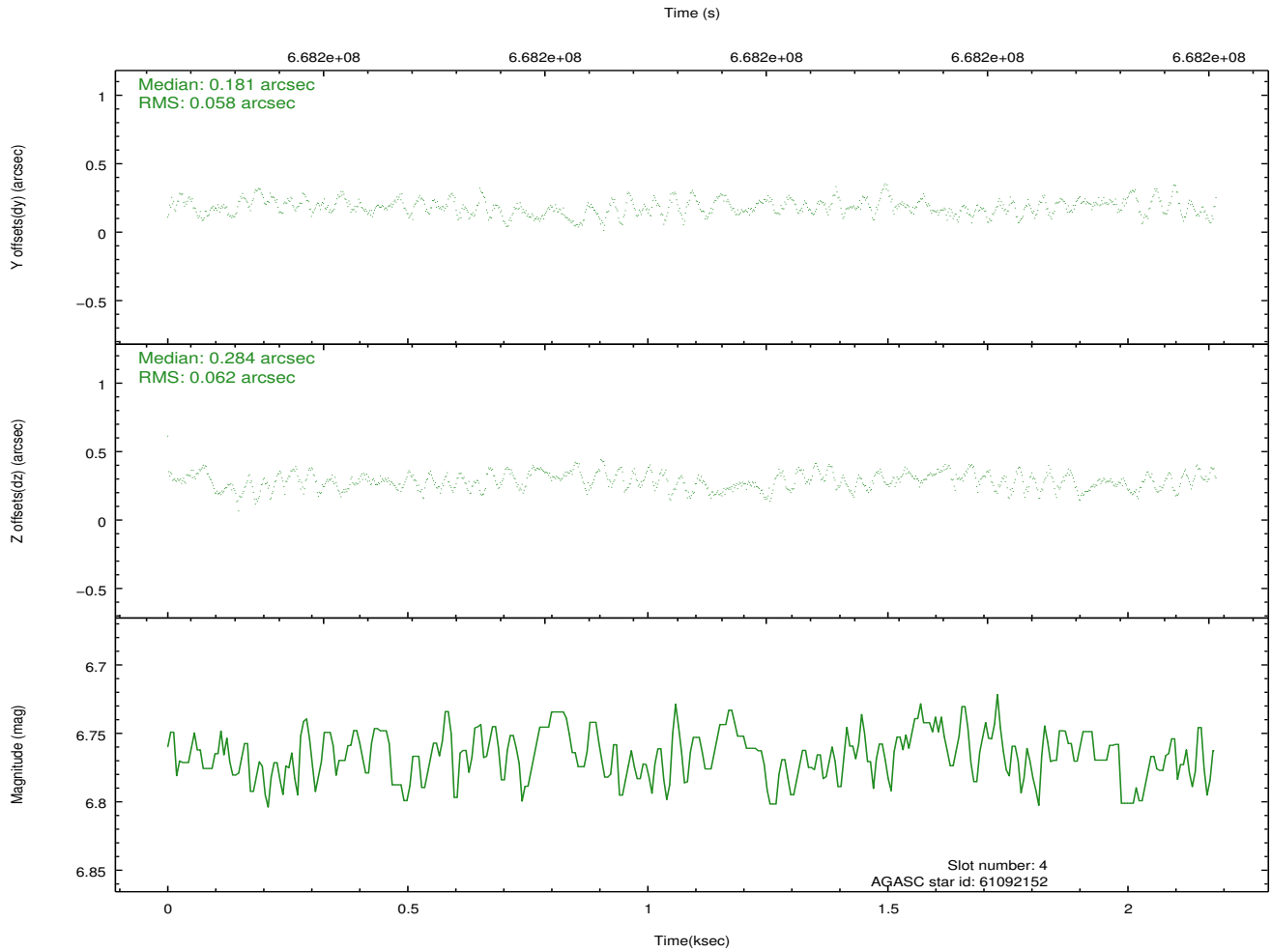
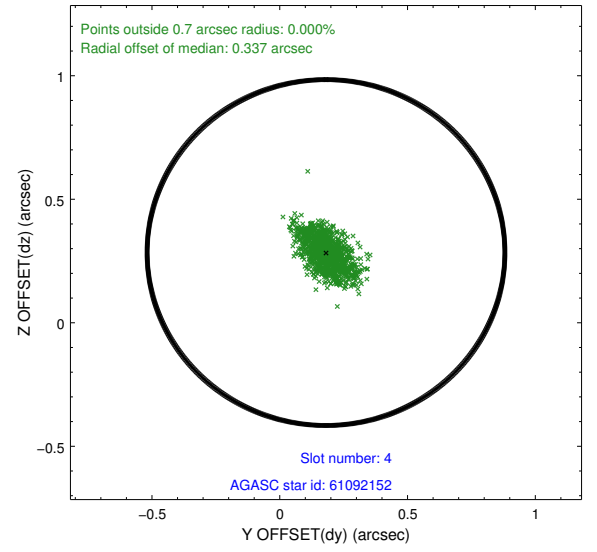
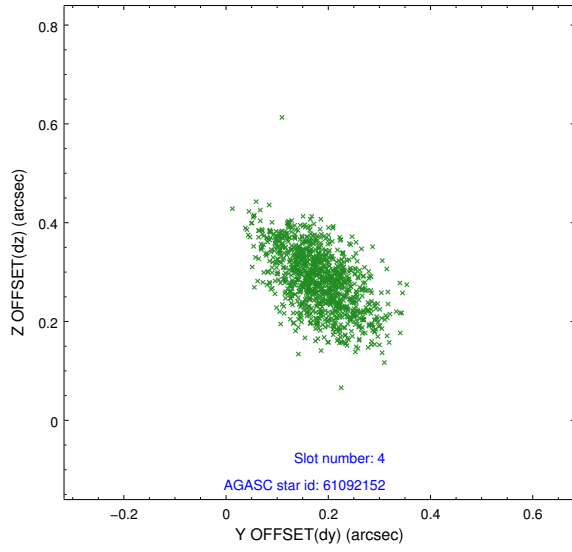
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.05	533	1.000	0.070	-0.153	0.008	0.012	0.000000	0.000000	848.03	-1304
1	FID		HRC-I-3	7.12	533	1.000	-0.362	0.021	0.007	0.011	0.000000	0.000000	-1192.04	999
2	FID		HRC-I-4	7.04	533	1.000	0.411	0.045	0.009	0.014	0.000000	0.000000	1276.18	1001
3	GUIDE	used	61085288	6.64	1066	1.000	-0.025	-0.009	0.067	0.114	286.195502	2.984126	-318.88	-1186
4	GUIDE	used	61092152	6.77	1066	1.000	0.181	0.284	0.091	0.147	285.897768	2.545743	-2150.58	-657
5	GUIDE	used	61092160	8.38	1064	1.000	0.288	0.281	0.105	0.159	286.034895	2.526382	-2066.25	-1147
6	GUIDE	used	61098280	8.73	1065	1.000	-0.522	-0.736	0.140	0.224	285.428982	3.389170	214.40	1882
7	GUIDE	used	61085592	8.86	1064	1.000	0.077	0.180	0.137	0.220	286.029909	2.955528	-600.28	-650

2.4 Star Slots

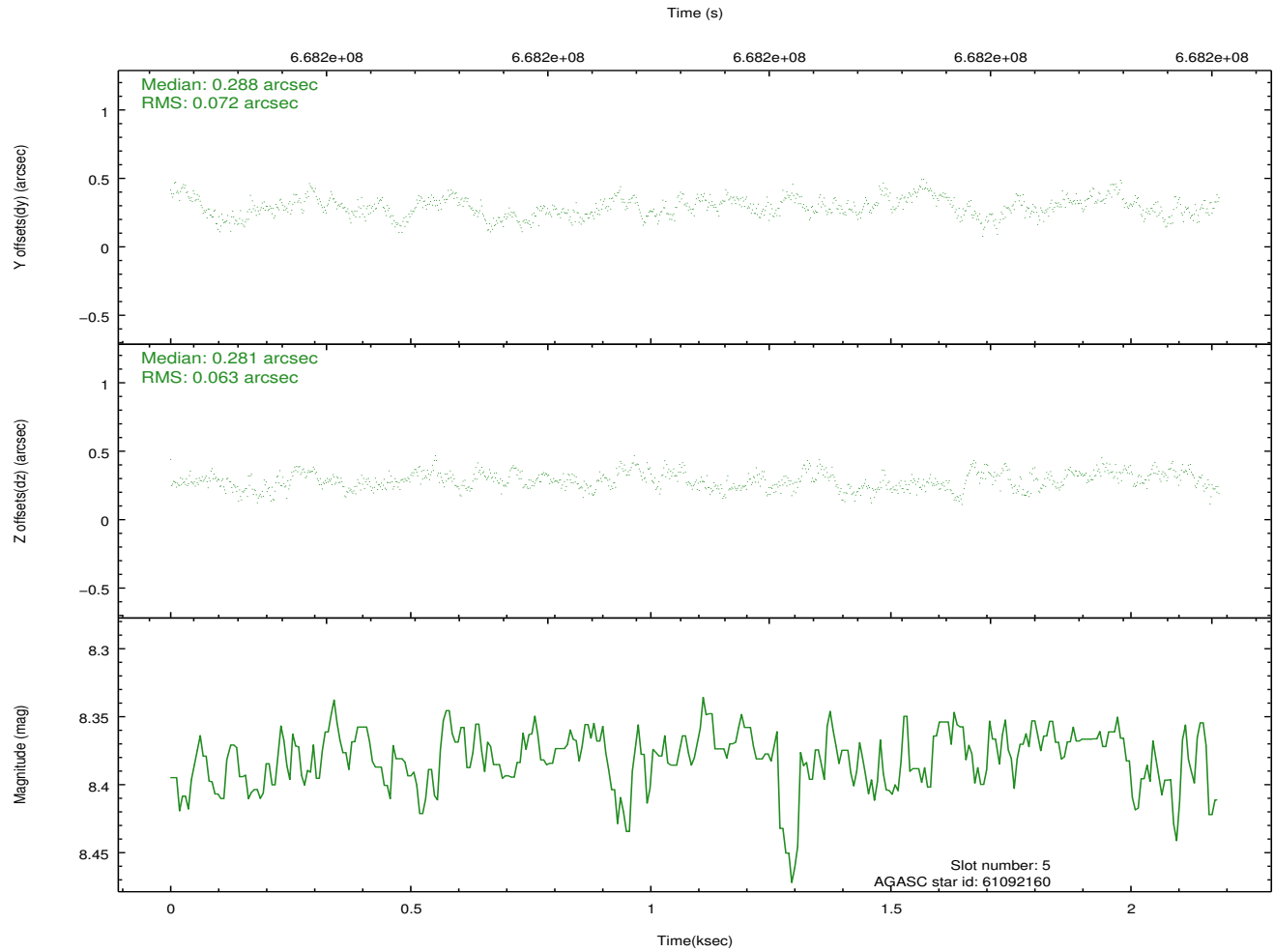
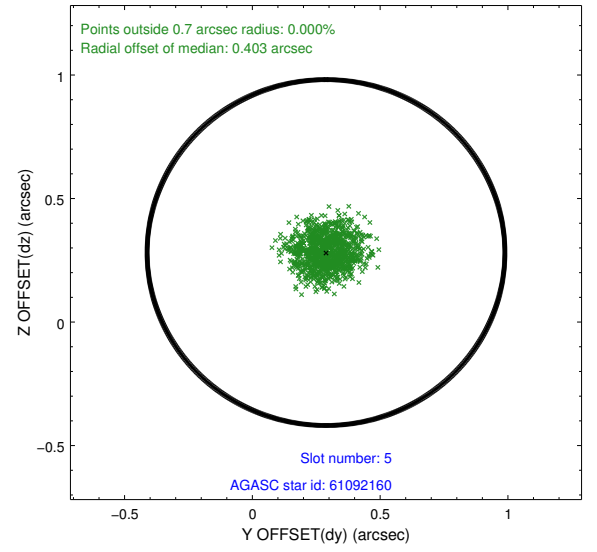
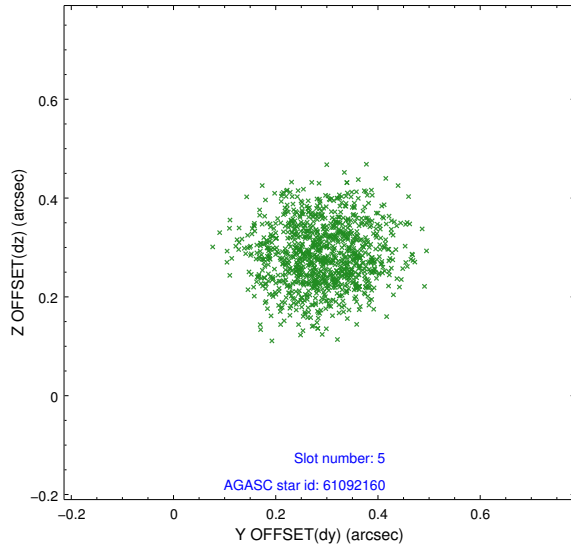
2.4.1 Slot 3



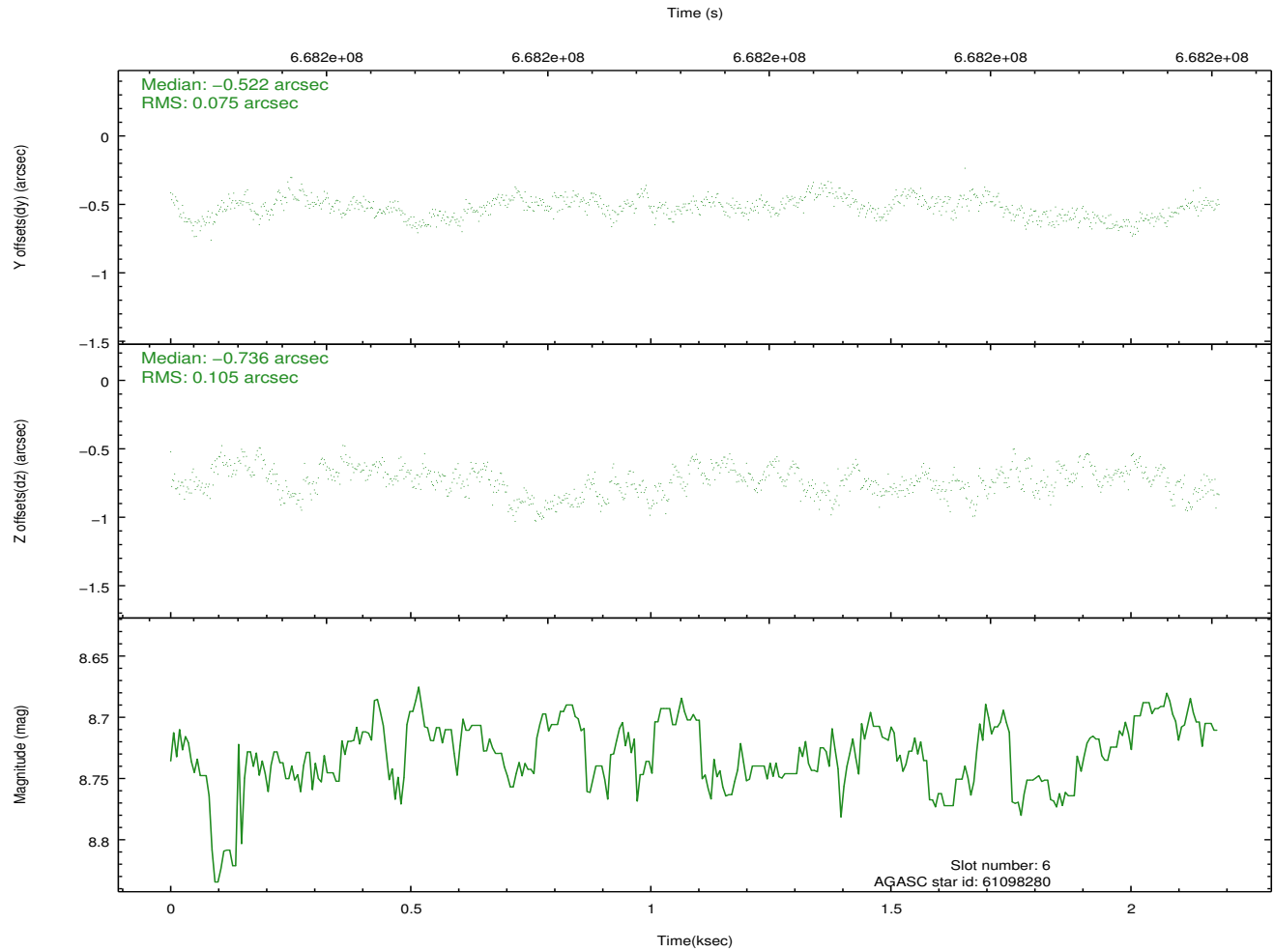
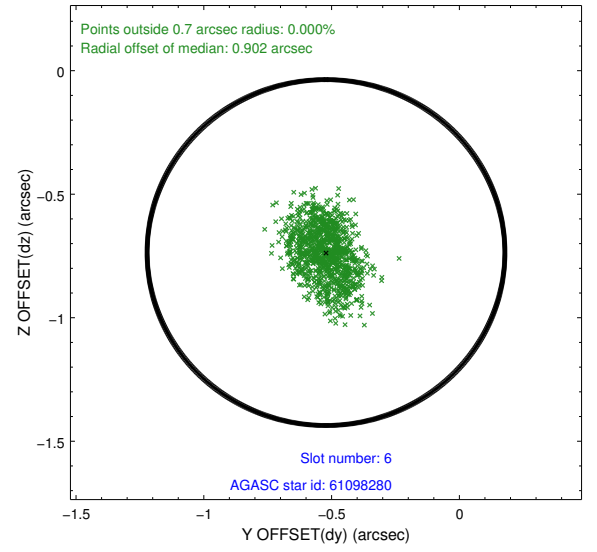
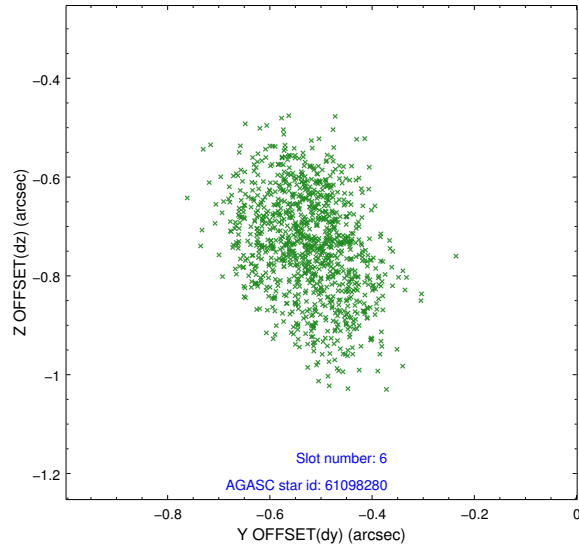
2.4.2 Slot 4



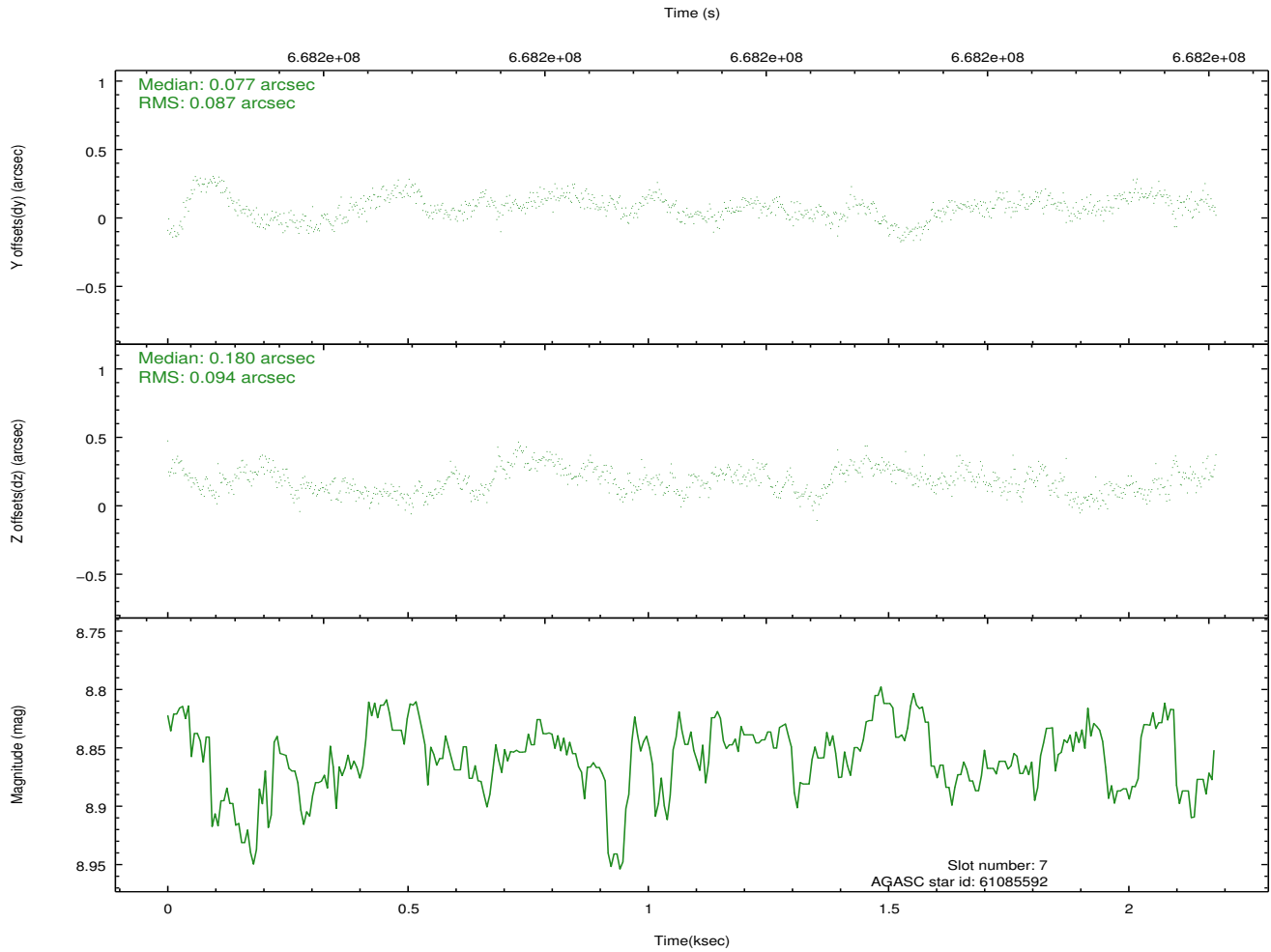
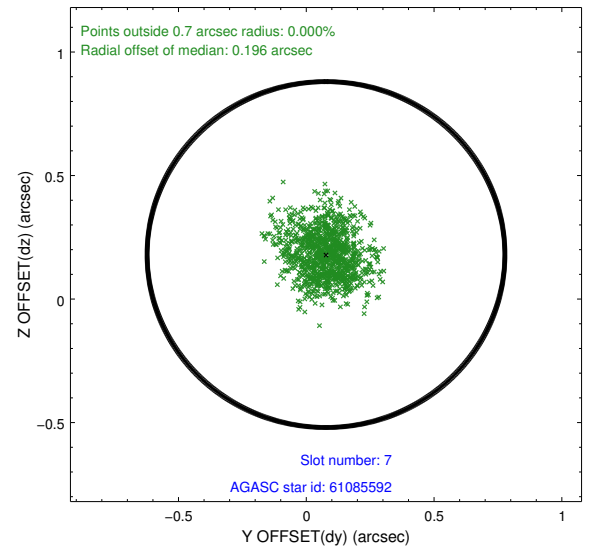
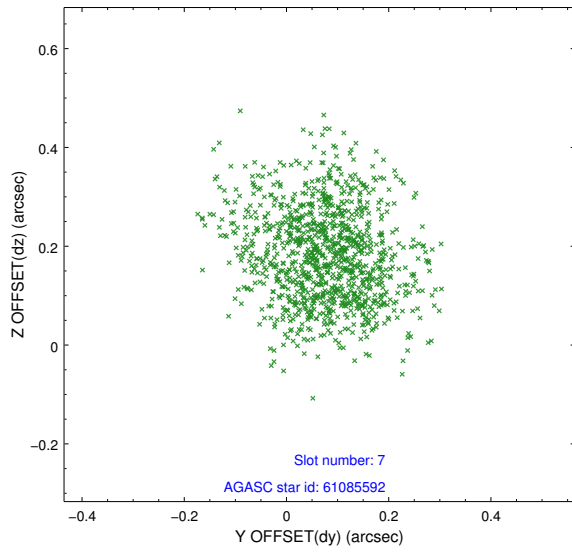
2.4.3 Slot 5



2.4.4 Slot 6

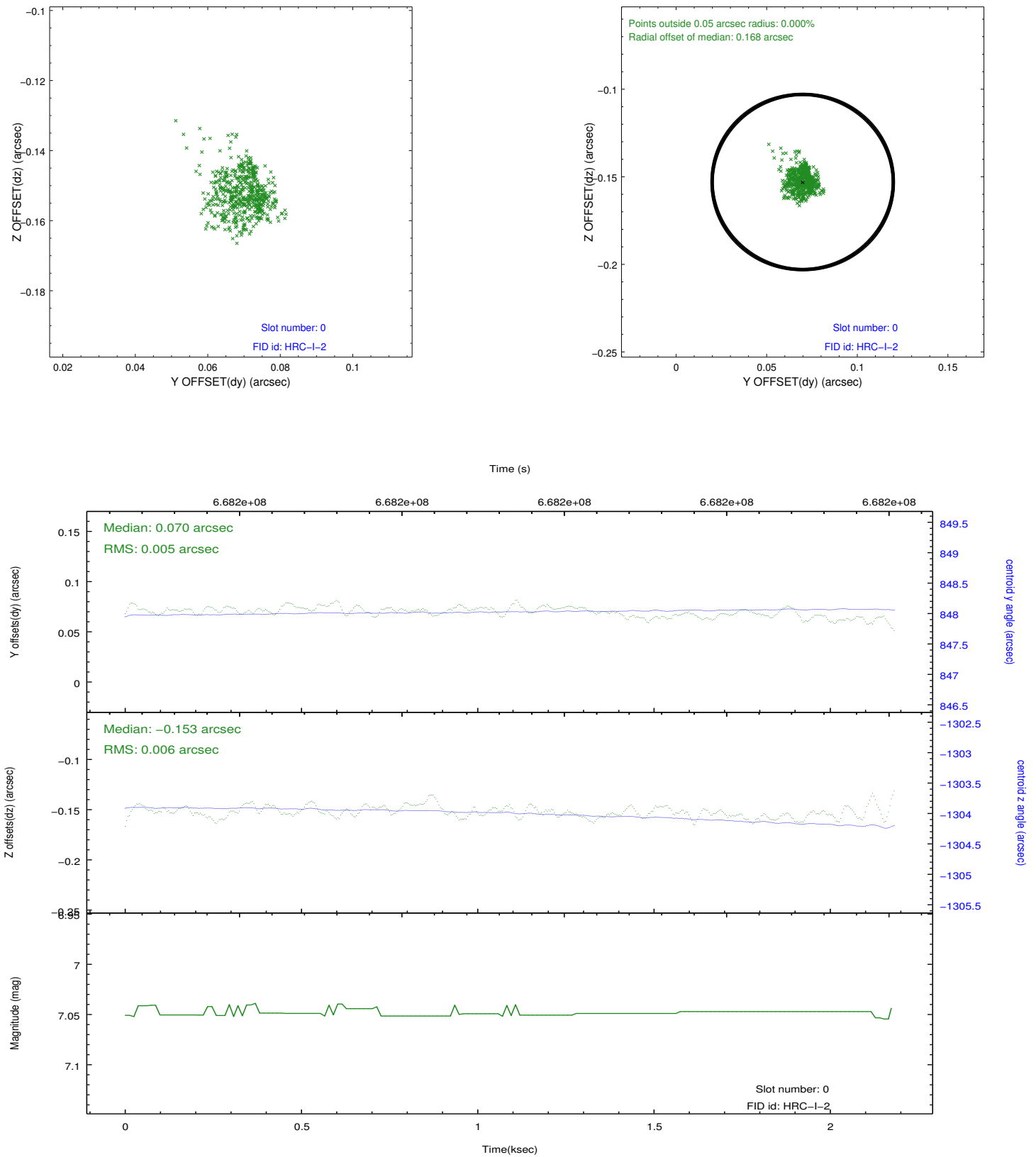


2.4.5 Slot 7

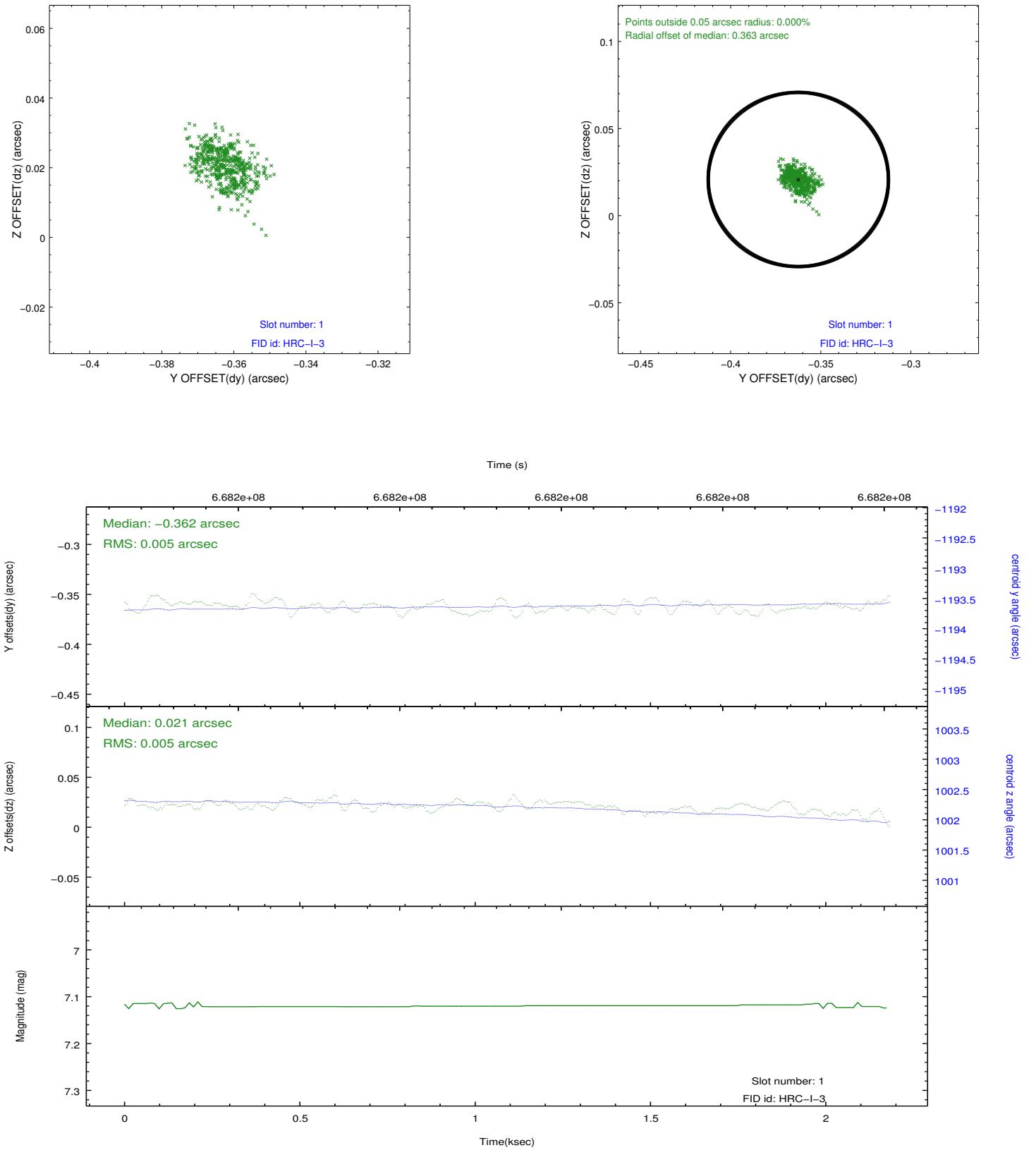


2.5 FID Slots

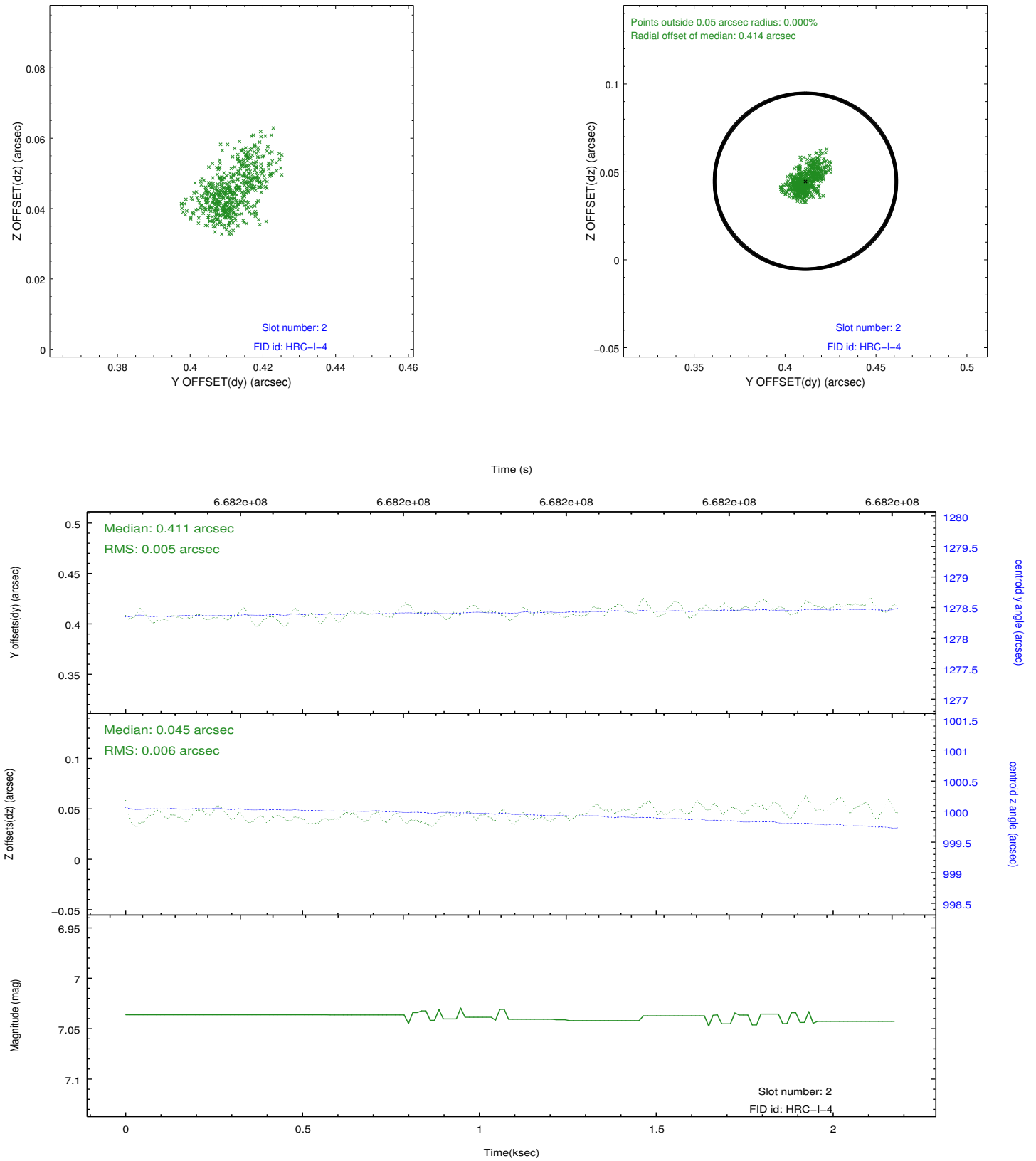
2.5.1 Slot 0



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)	2019.03.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1824813805819

A.2 Comments