

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17329 - L2 Version 1
Chandra X-Ray Center

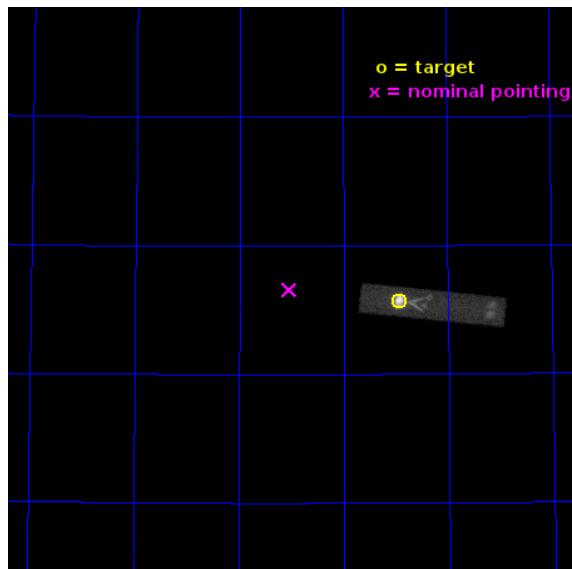
L2 Processing Date : Jul 7 2015

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

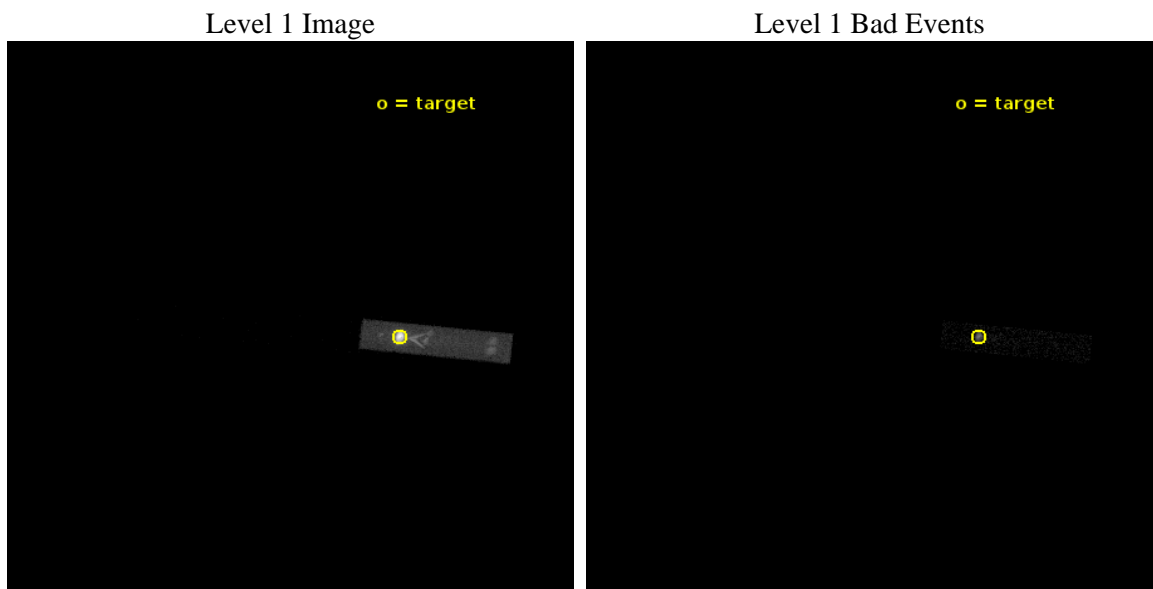
seq_num	291202	Sequence number
obs_id	17329	Observation id
title	AO-16 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.76046658684	Nominal RA [deg]
dec_nom	38.829560534212	Nominal Dec [deg]
roll_nom	186.01231898136	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1183.875066638	[s]
livedtime	512.41907898261	Ontime multiplied by DTCOR
l2events	211534	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	1183.875066638	[s]
caldbver	4.6.7	 	l1events	254376	Number of level 1 events
date	2015-07-07T05:48:59	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

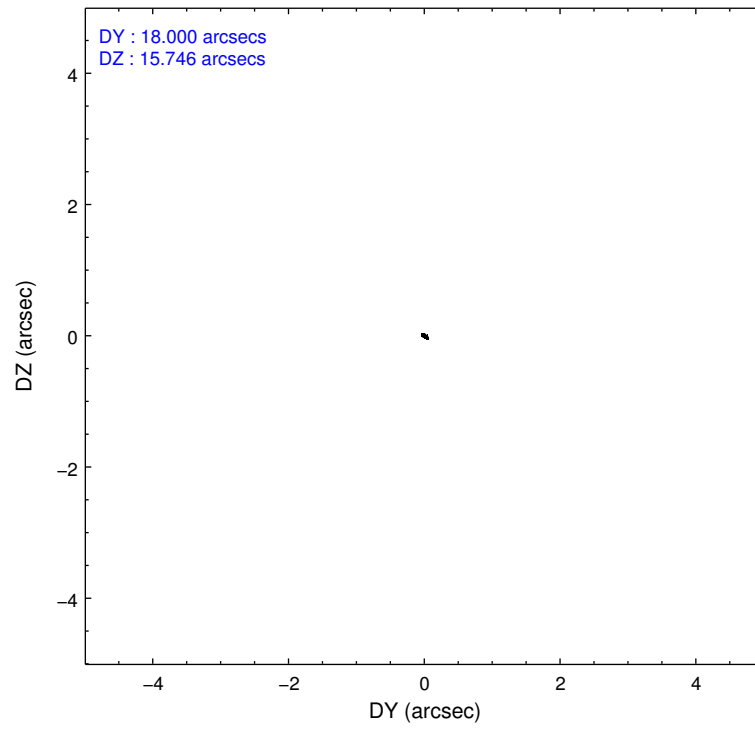
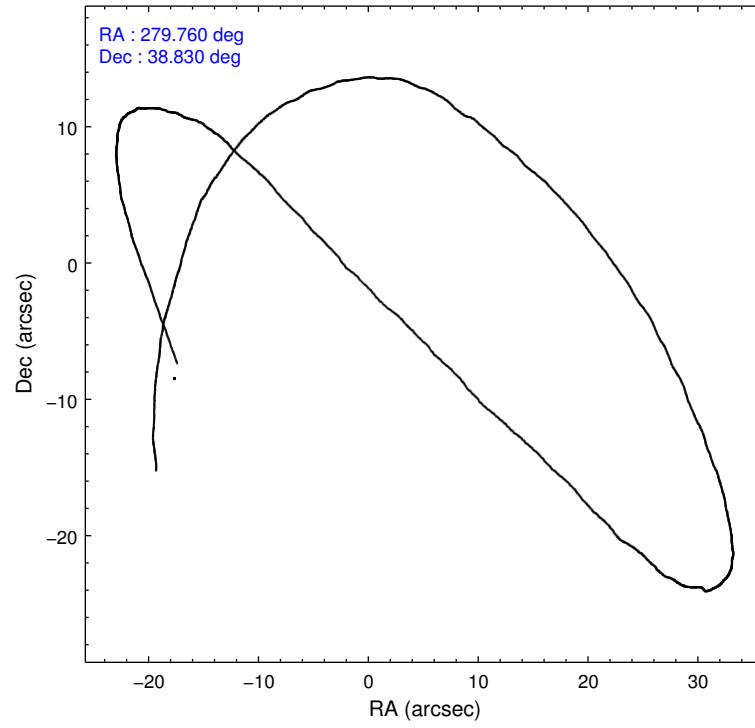
	segment 1	segment 2	segment 3
level 1 events	4	34	254338
rejected events	4	25	36049
rejected %	100%	73%	14%

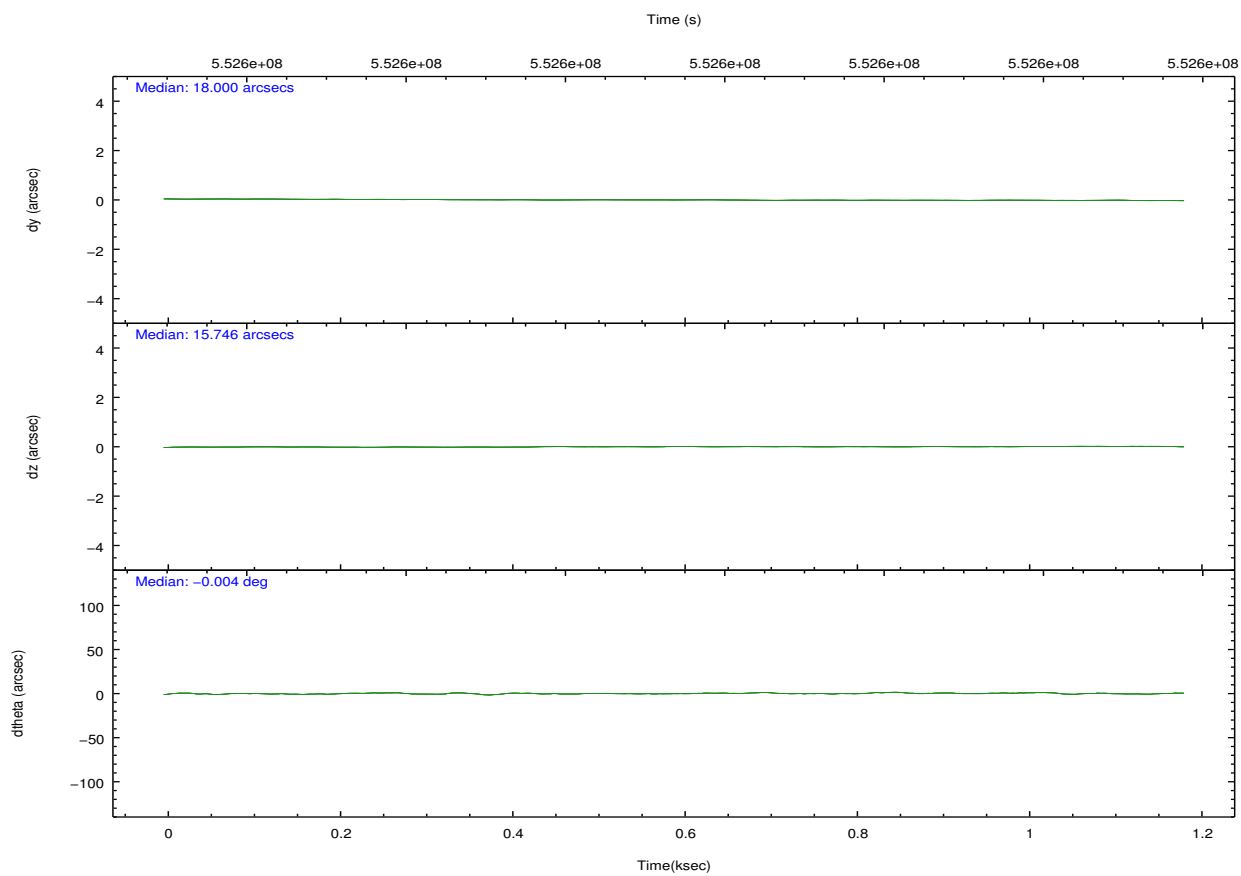
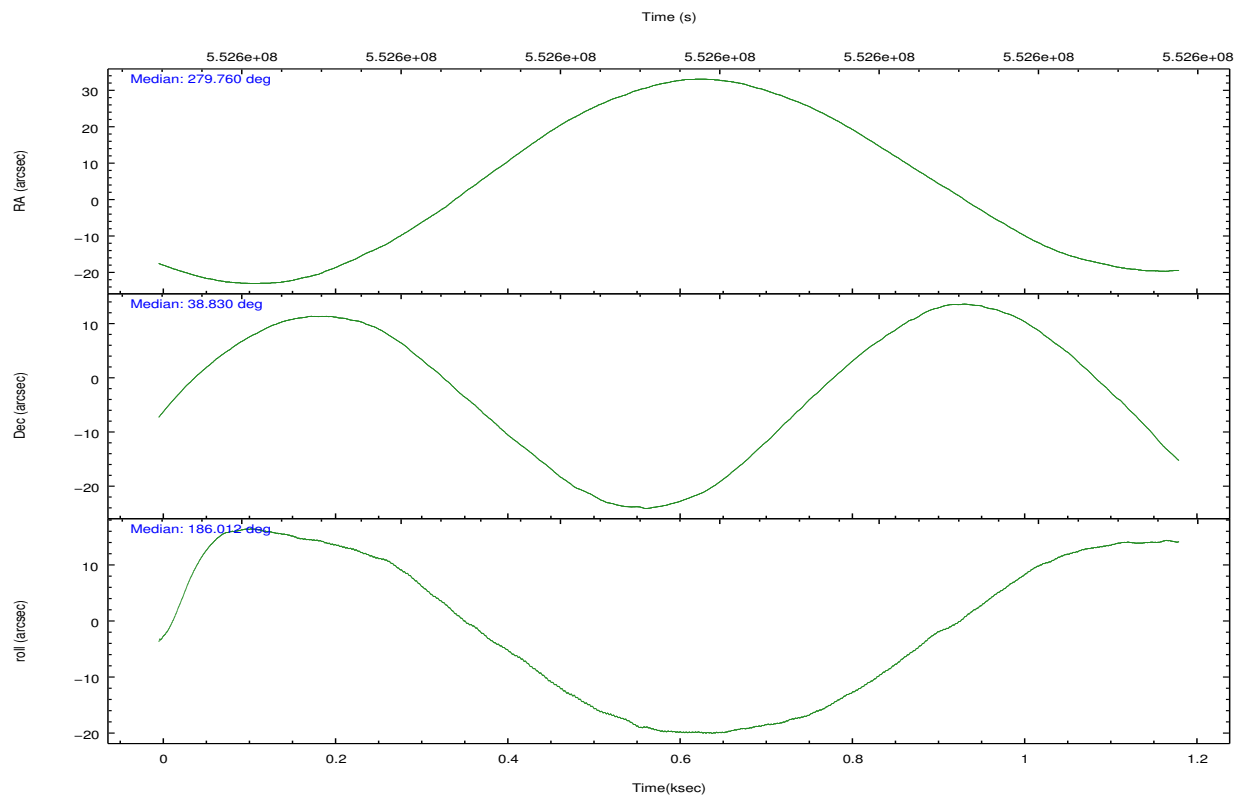
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.790099	279.7604665868359
[deg] Pointing Dec	38.846660	38.82956053421191
[deg] Pointing Roll	185.926520	186.0123189813596
[s] Window start time (MET)	549504067.184000	549504067.184000
[s] Window stop time (MET)	554688068.184000	554688068.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	552599540.184000	552599161.31846
Observation start date	2015-07-06T19:51:12	2015-07-06T19:46:01
[s] Observation end time (MET)	552600540.184000	552601650.0186
Observation end date	2015-07-06T20:07:52	2015-07-06T20:27:30

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

2.3 Aspect



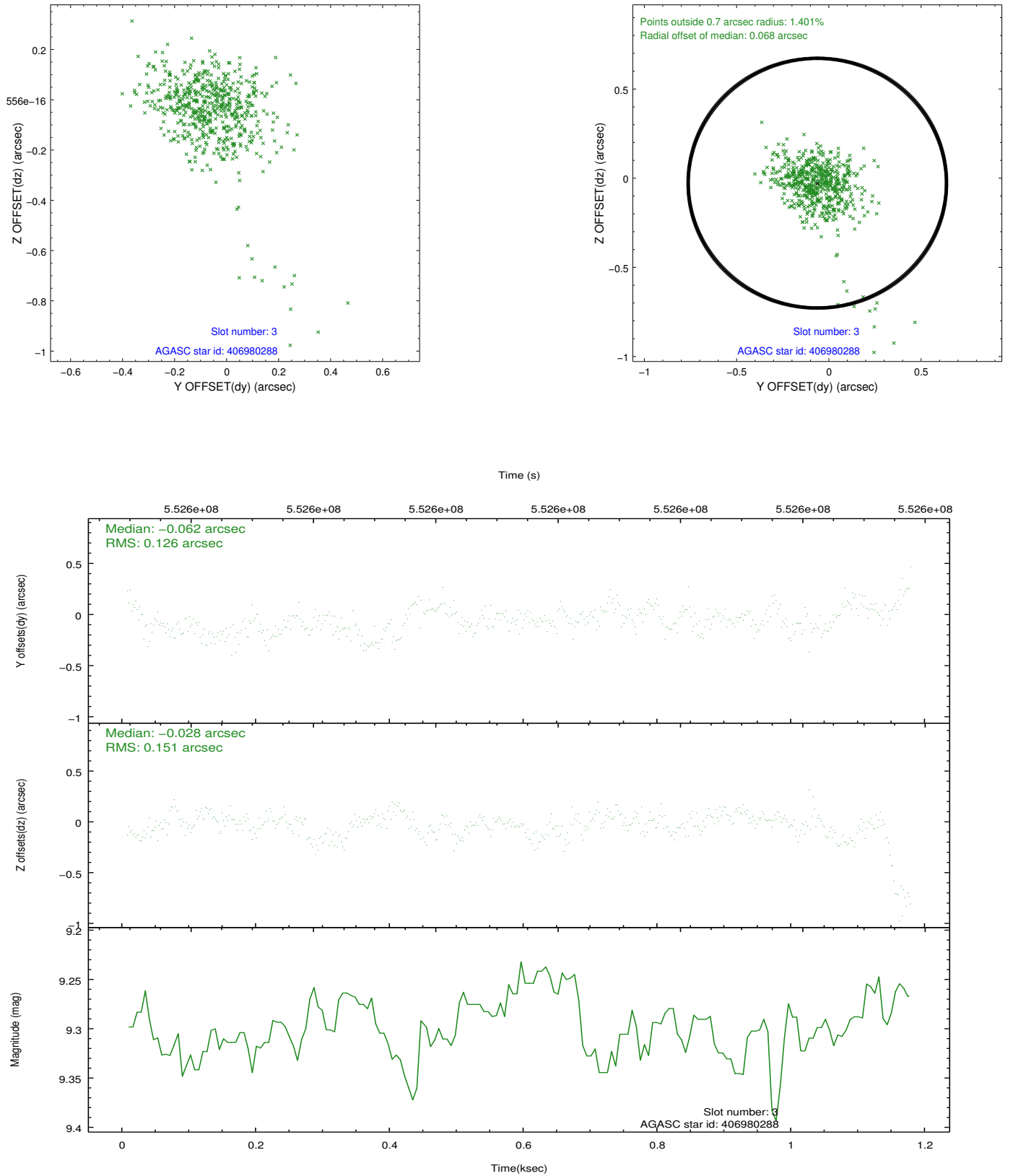


Slot Statistics

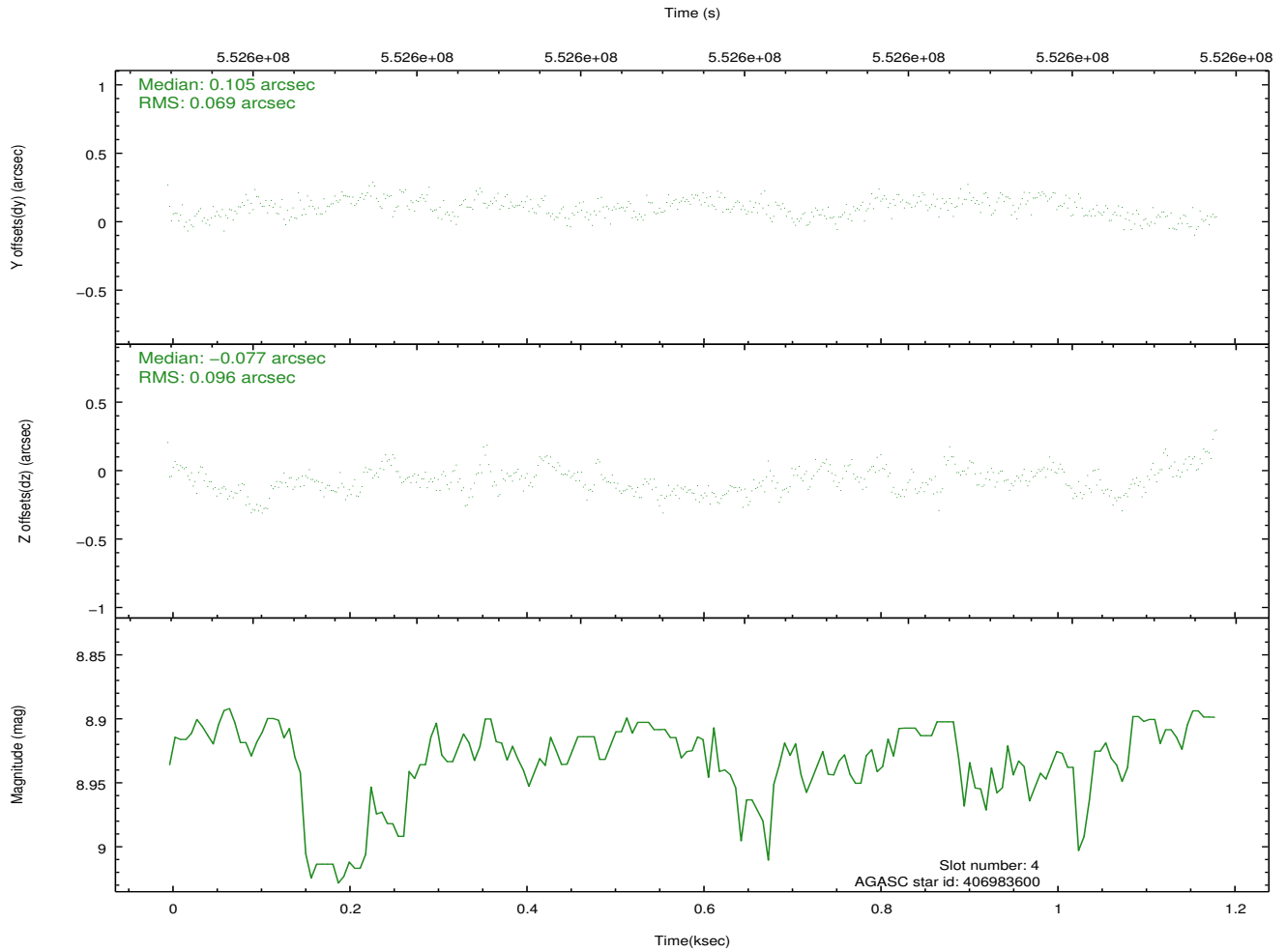
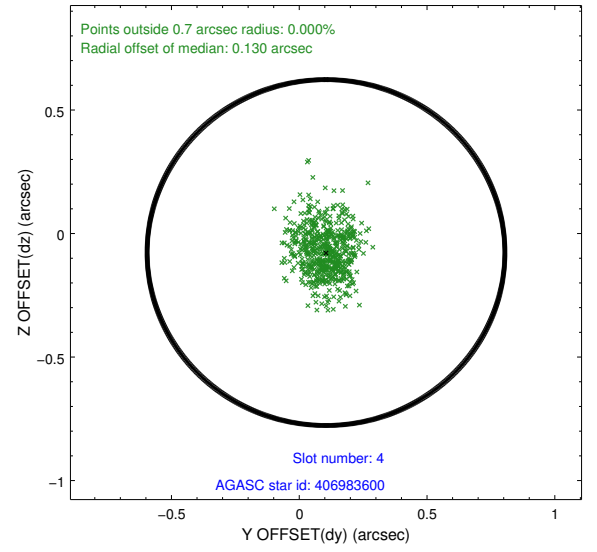
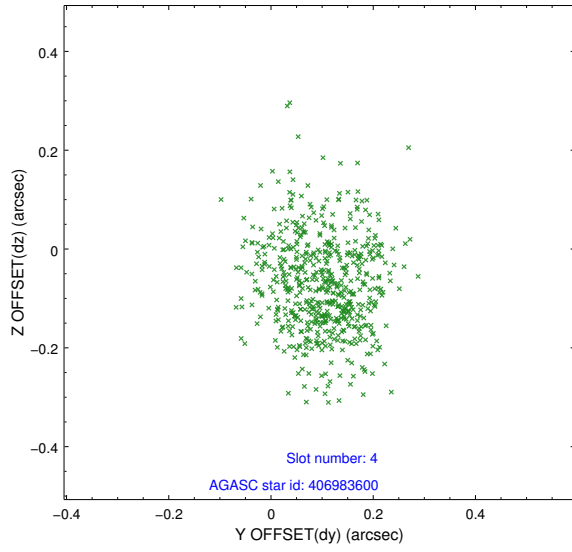
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.05	289	0.021	-0.221	0.007	0.011	0.000000	0.000000	-1172.53	-464.70
1	FID		HRC-S-2	7.02	289	0.300	-0.126	0.006	0.011	0.000000	0.000000	1223.35	-458.83
2	FID		HRC-S-3	7.05	289	0.069	0.045	0.007	0.011	0.000000	0.000000	-1170.98	563.50
3	GUIDE	used	406980288	9.30	571	-0.062	-0.028	0.173	0.313	278.903147	39.061646	2381.09	-1037.18
4	GUIDE	used	406983600	8.93	579	0.105	-0.077	0.125	0.201	279.940957	39.020708	-482.47	-576.30
5	GUIDE	used	406989616	8.21	579	-0.306	-0.359	0.103	0.164	279.202881	38.520843	1763.51	993.41
6	GUIDE	used	407513096	8.14	579	0.246	0.302	0.090	0.146	279.928965	39.436841	-601.16	-2067.62
7	GUIDE	used	407521232	8.62	577	0.018	0.186	0.128	0.197	279.628883	39.431715	226.41	-2140.93

2.4 Star Slots

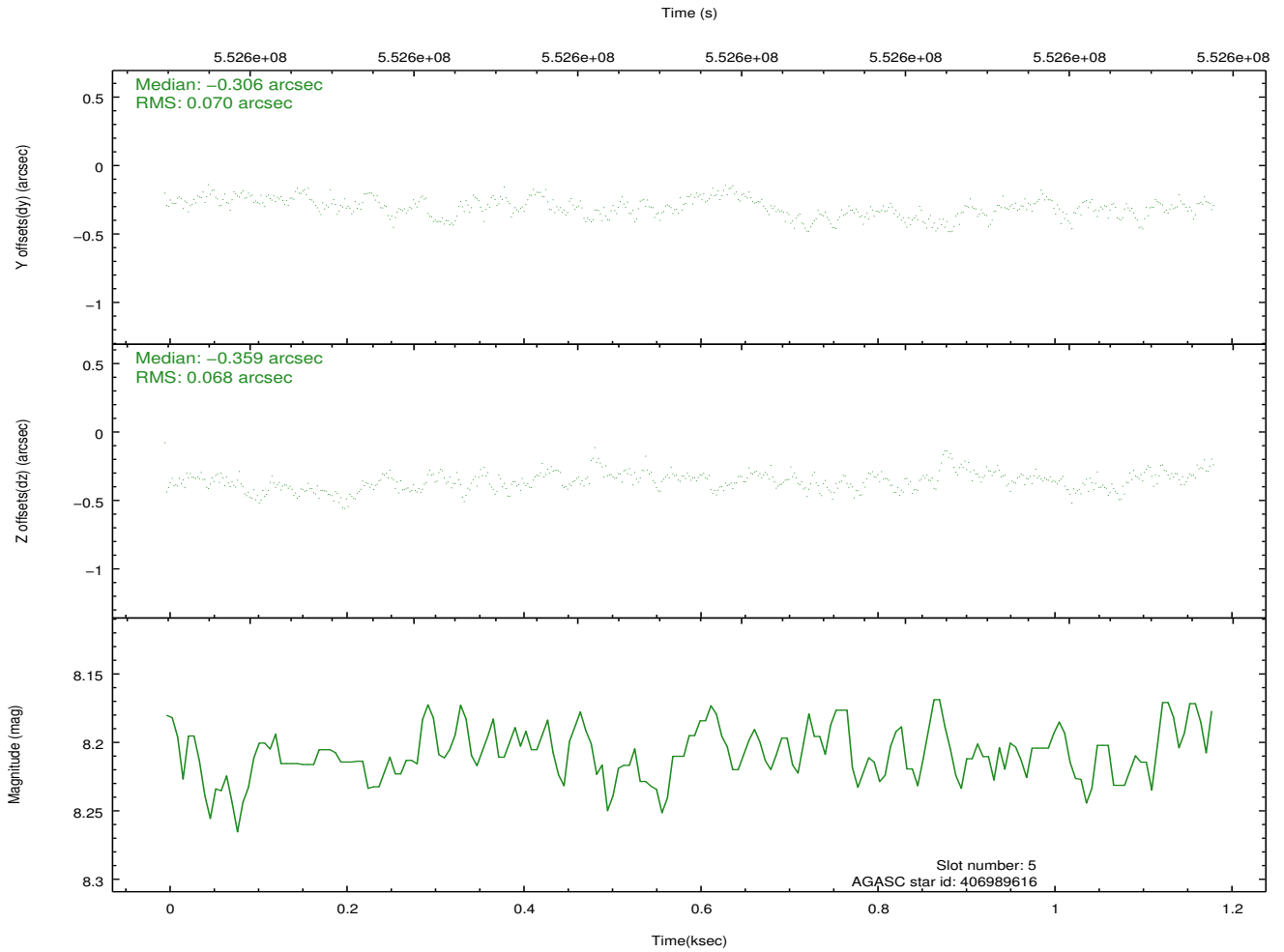
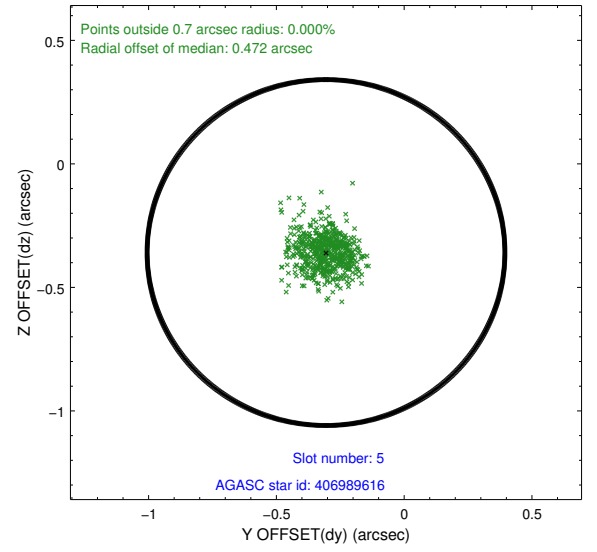
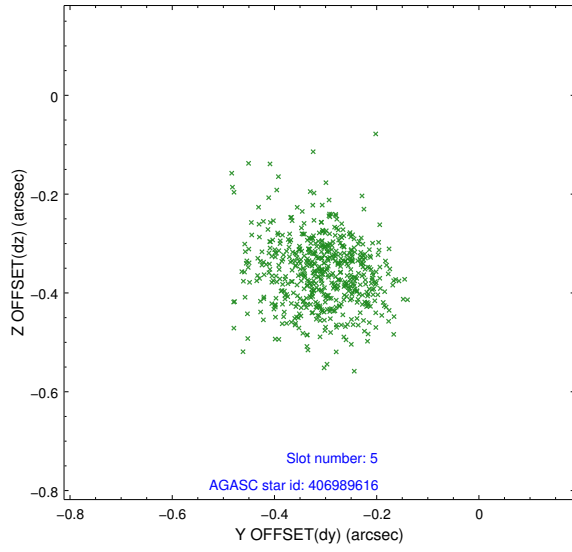
2.4.1 Slot 3



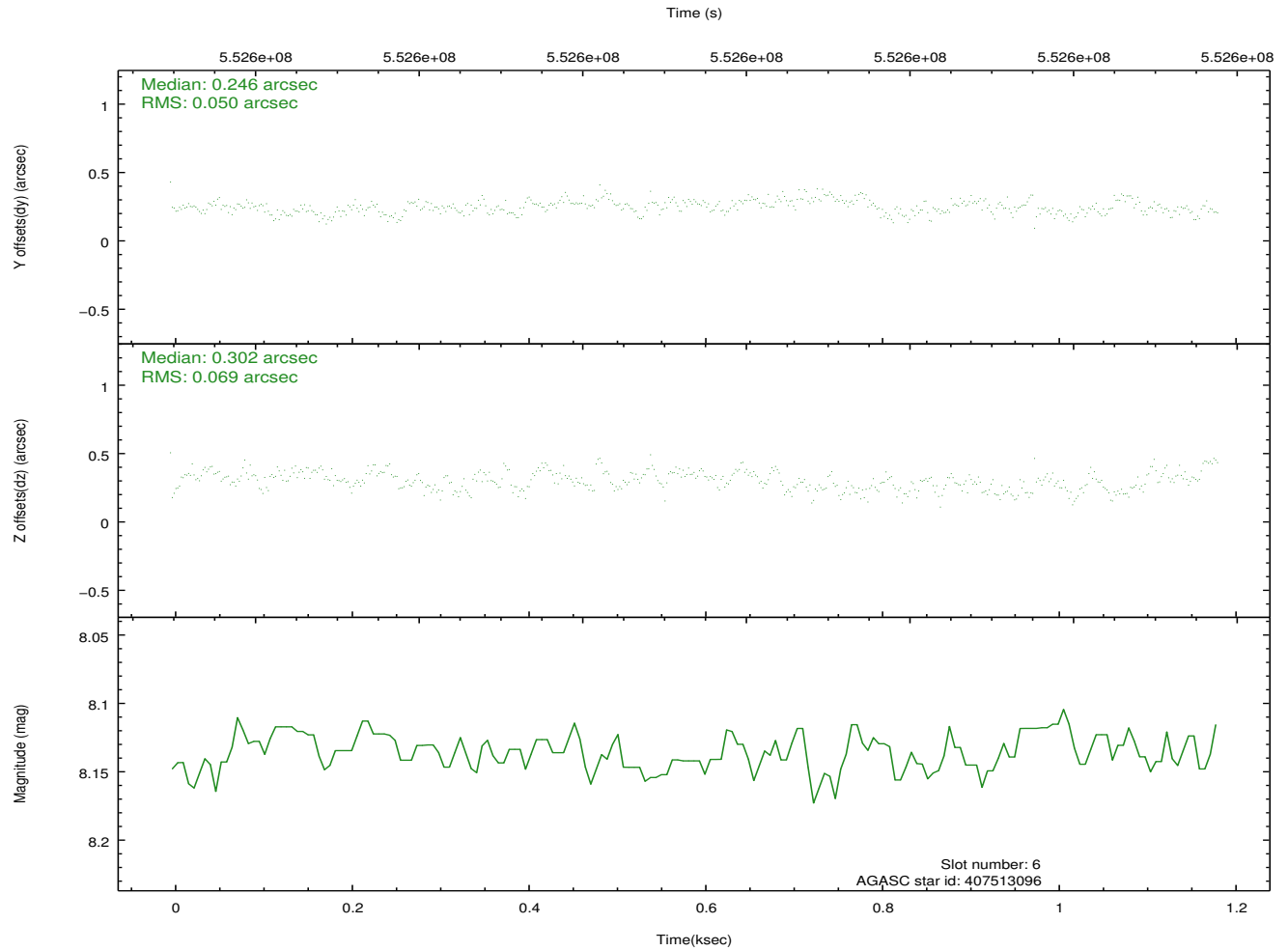
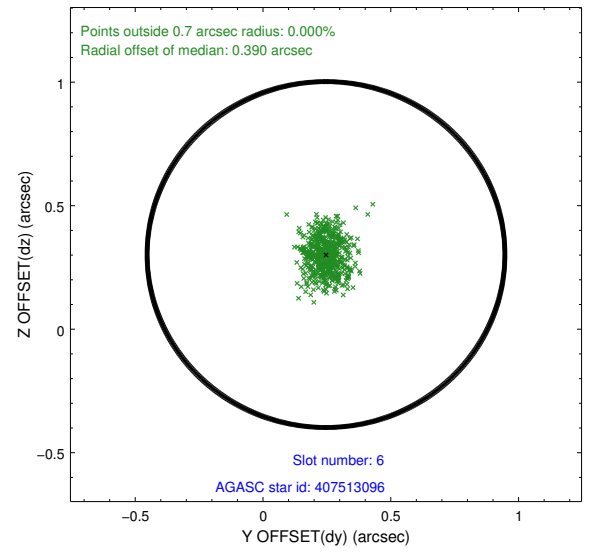
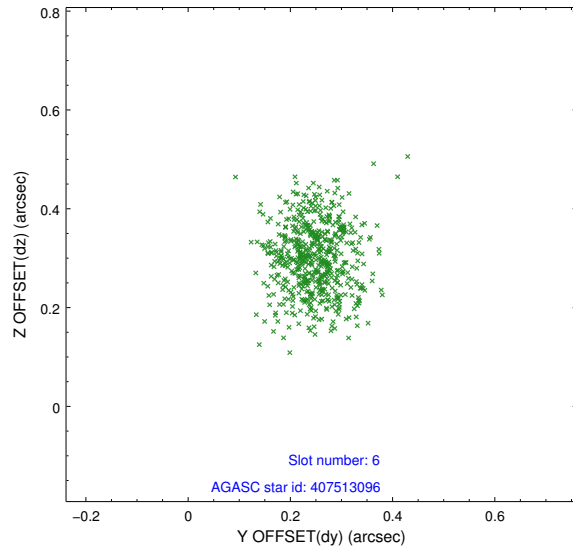
2.4.2 Slot 4



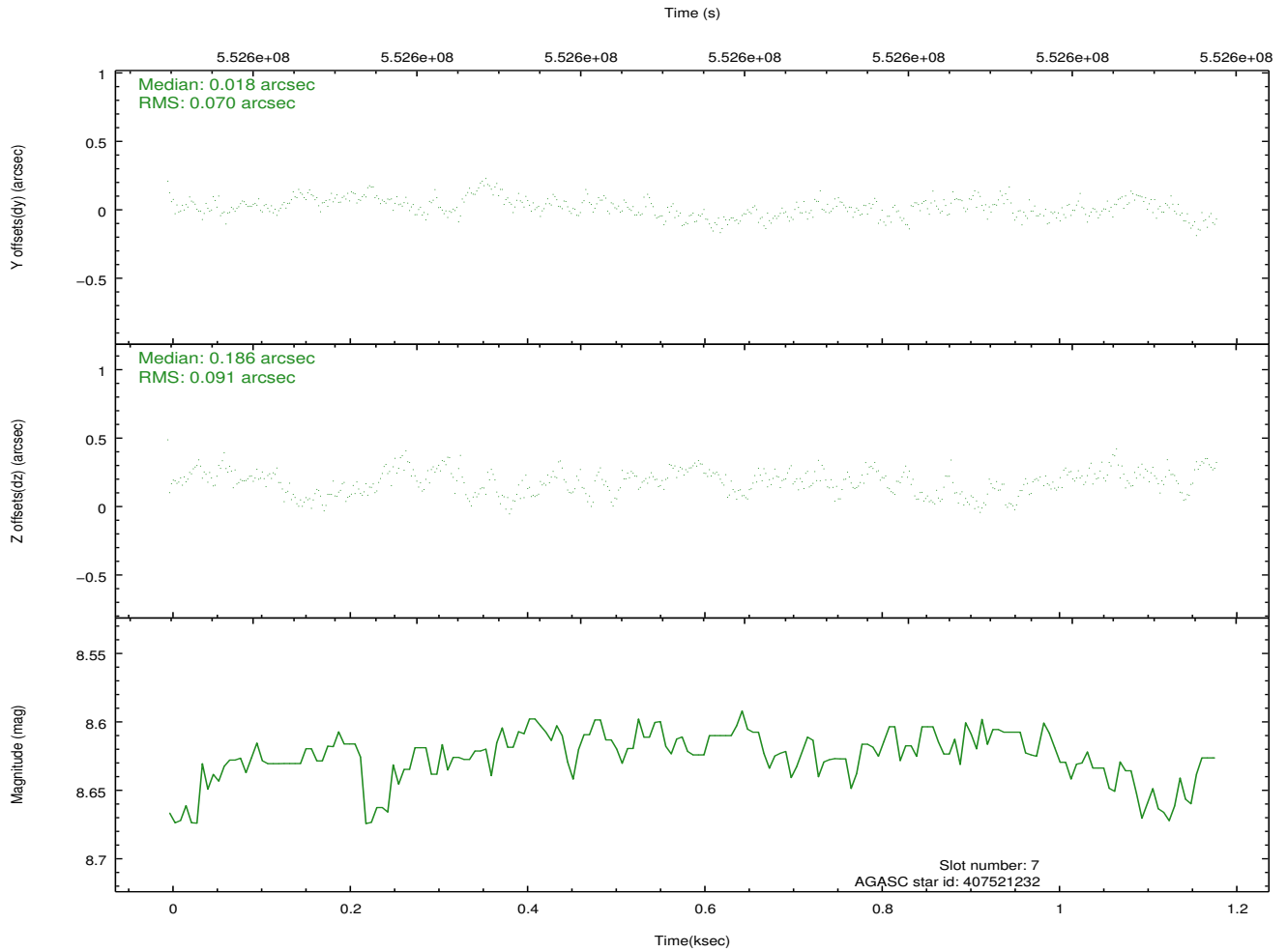
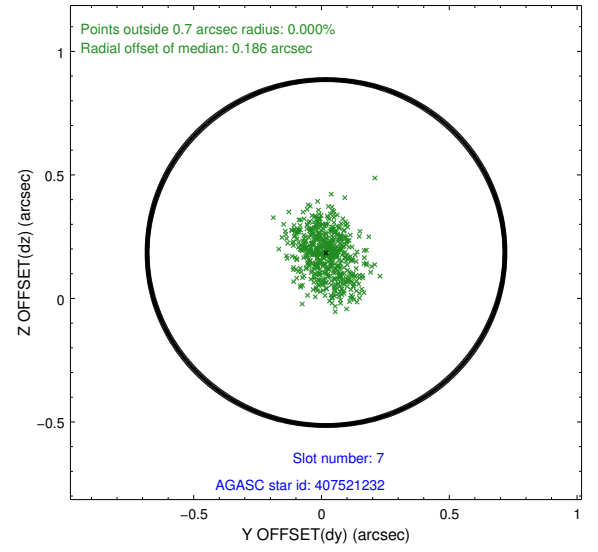
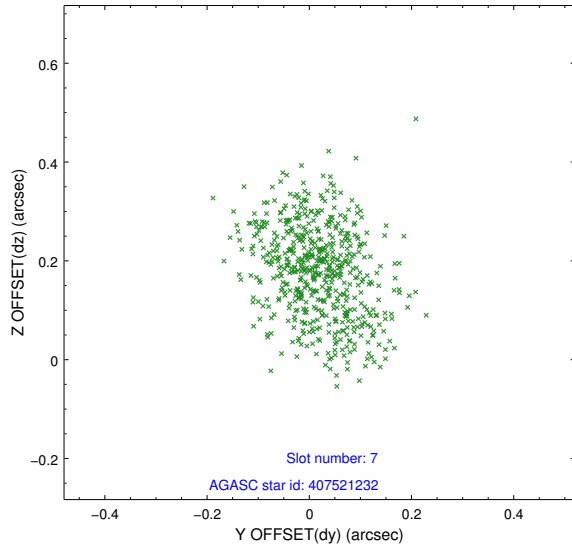
2.4.3 Slot 5



2.4.4 Slot 6

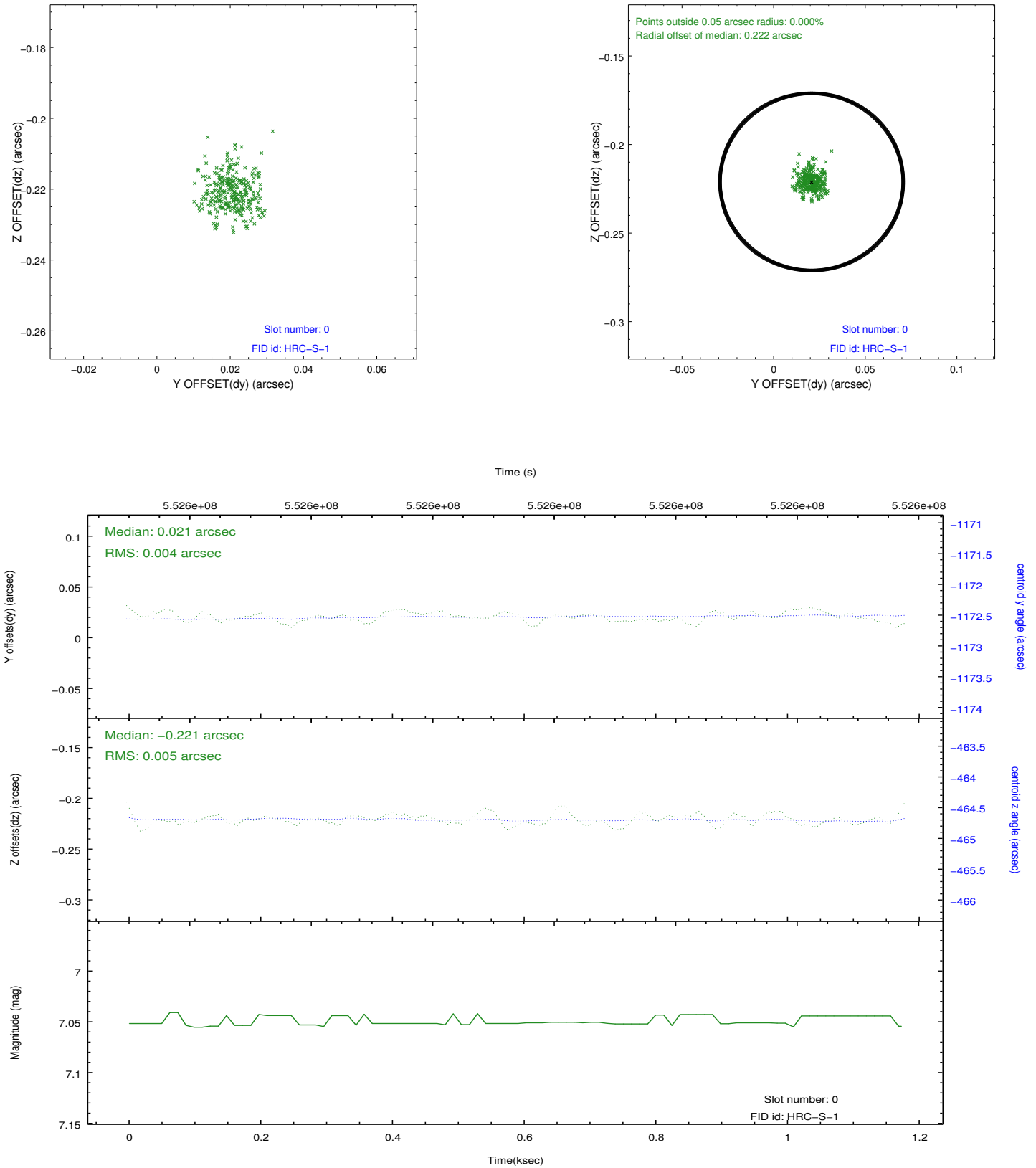


2.4.5 Slot 7

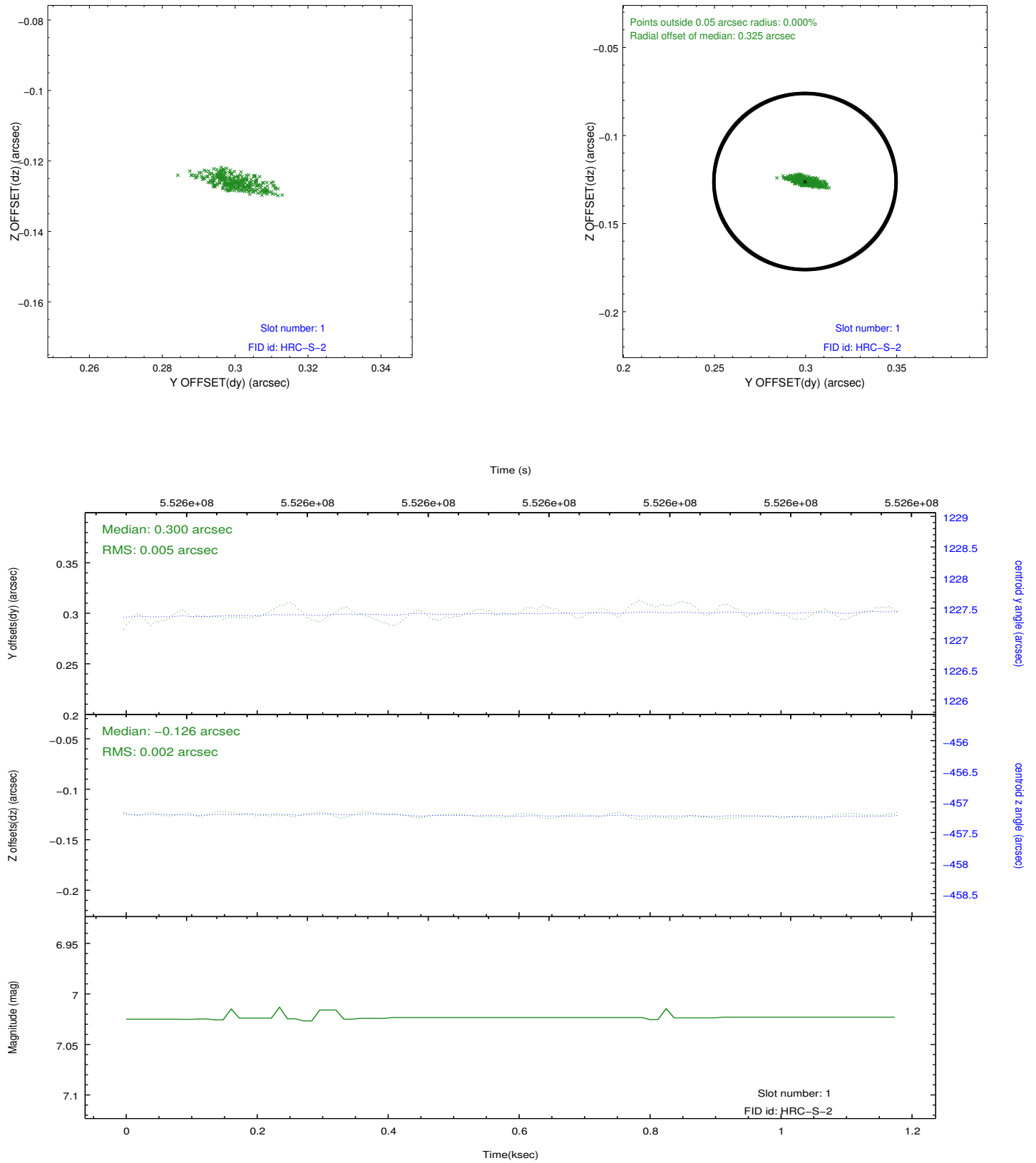


2.5 FID Slots

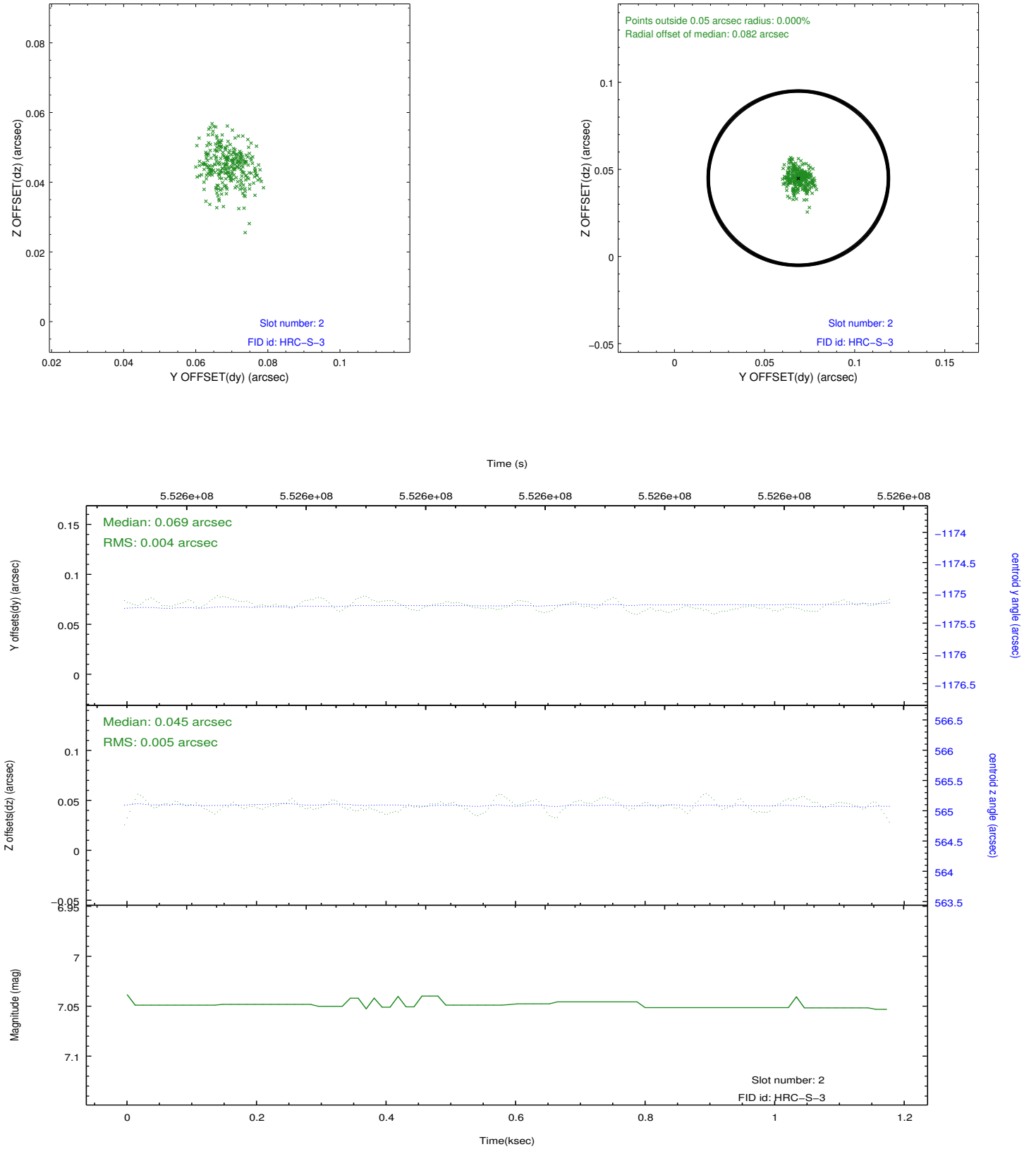
2.5.1 Slot 0



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)	2015.07.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.183875066638

A.2 Comments