

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13362 - L2 Version 1
Chandra X-Ray Center

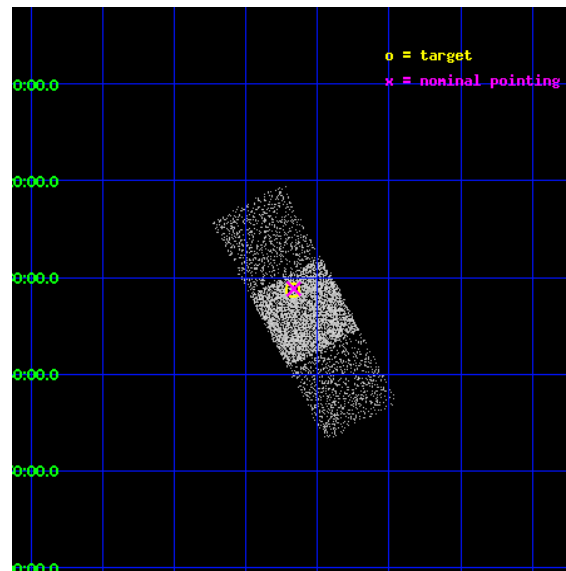
L2 Processing Date : Jan 8 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	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

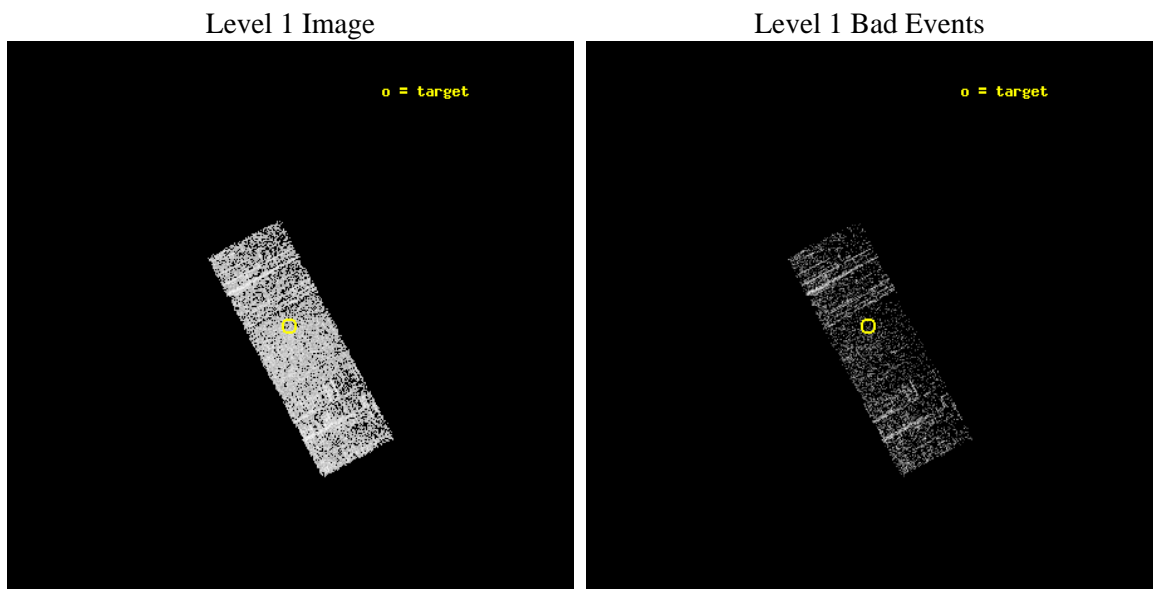
seq_num	702569	Sequence number
obs_id	13362	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1558-0031	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	239.5425	Observer's specified target RA [deg]
dec_targ	-0.522222	Observer's specified target Dec [deg]
ra_nom	239.54114801137	Nominal RA [deg]
dec_nom	-0.51974677890555	Nominal Dec [deg]
roll_nom	62.013572024326	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1562.4000120163	Sum of GTIs [s]
livetime	1541.9861056371	Livetime [s]
ontime6	1562.4000120163	Sum of GTIs [s]
ontime7	1562.4000120163	Sum of GTIs [s]
ontime8	1562.4000120163	Sum of GTIs [s]
l2events	6811	Number of level 2 events



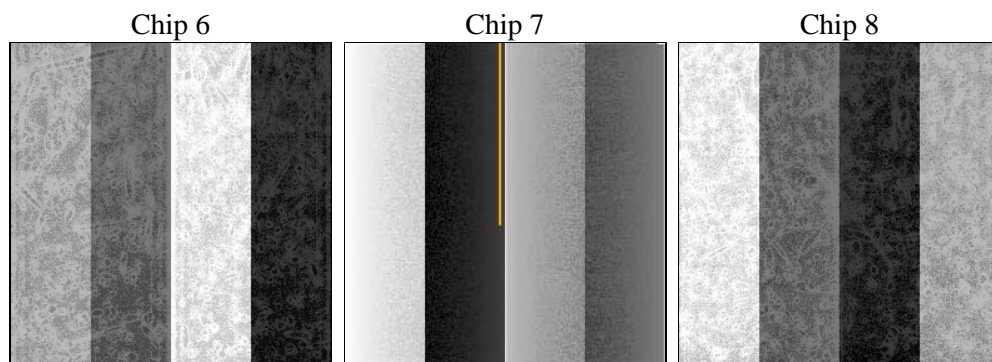
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1562.4000120163	Sum of GTIs [s]
caldsver	4.4.7	 	ontime6	1562.4000120163	Sum of GTIs [s]
date	2012-01-08T21:11:59	Date and time of file creation	ontime7	1562.4000120163	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1562.4000120163	Sum of GTIs [s]
			l1events	31056	Number of level 1 events

2.1.4 Events

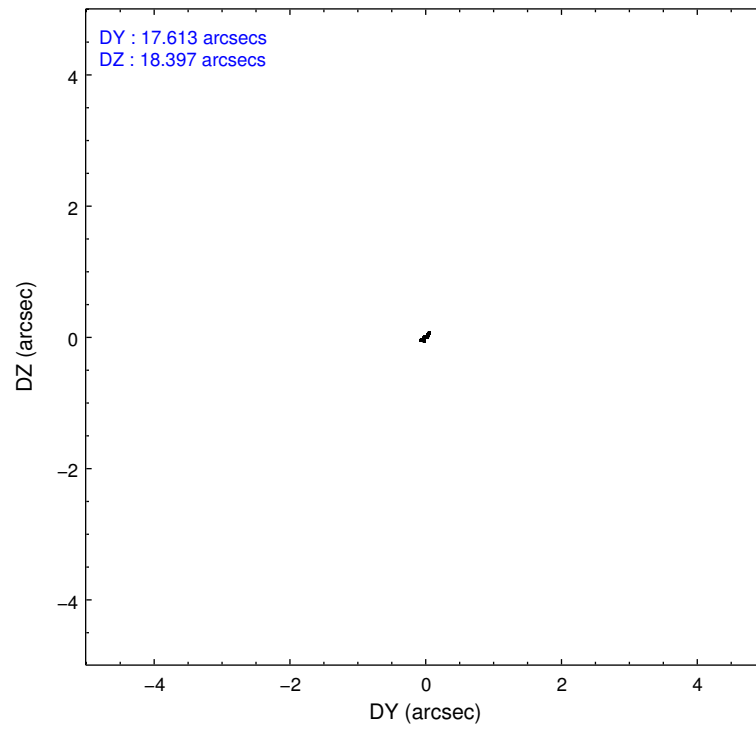
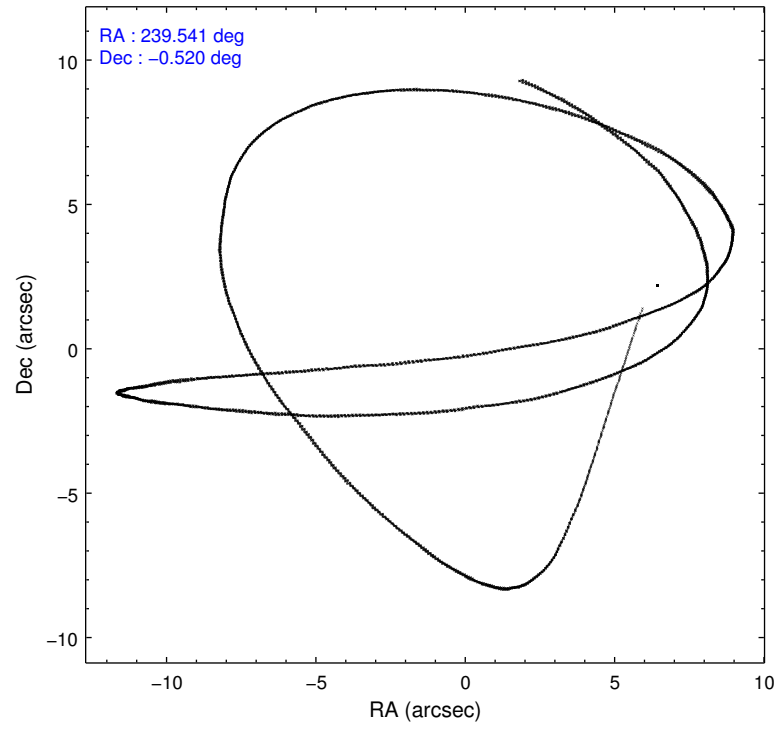
	ccd 6	ccd 7	ccd 8
level 1 events	9227	10313	11516
rejected events	8197	5248	8278
rejected %	88%	50%	71%

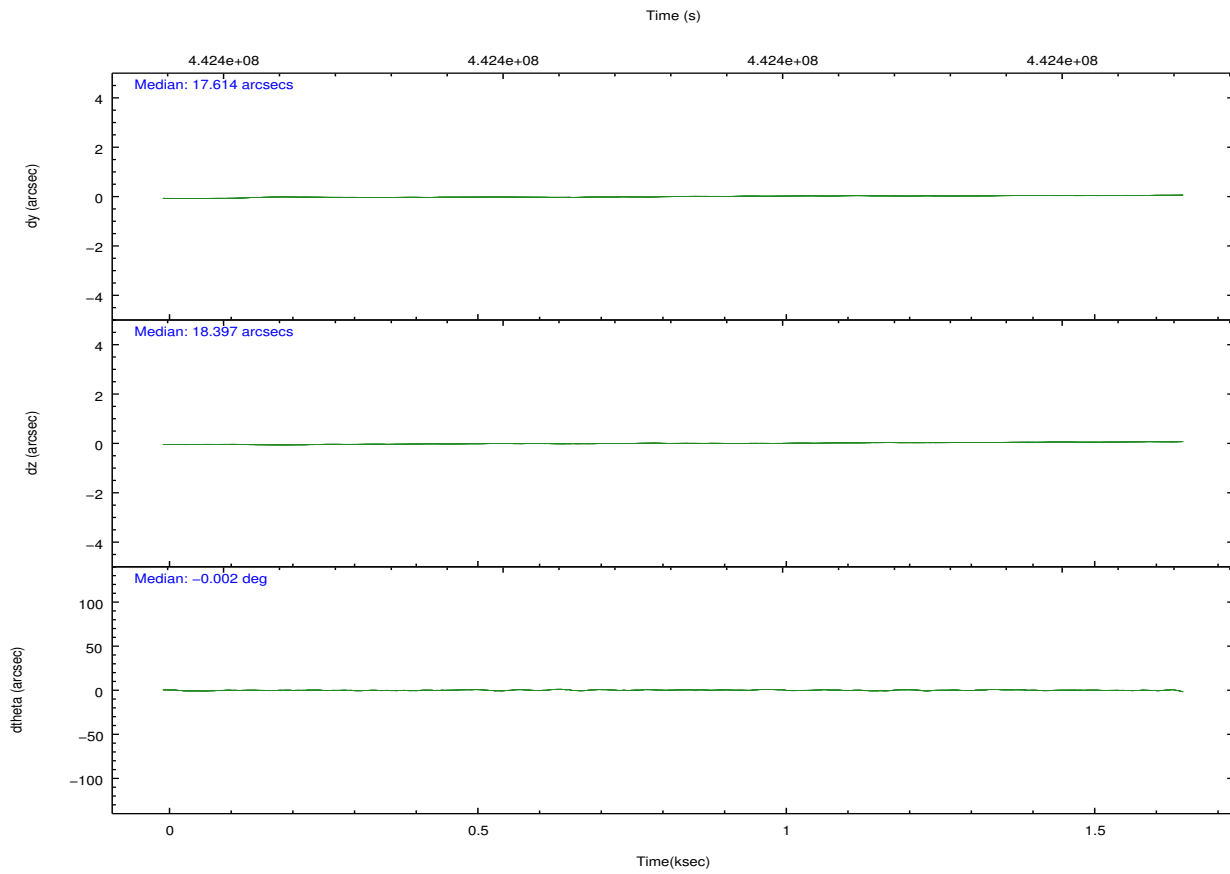
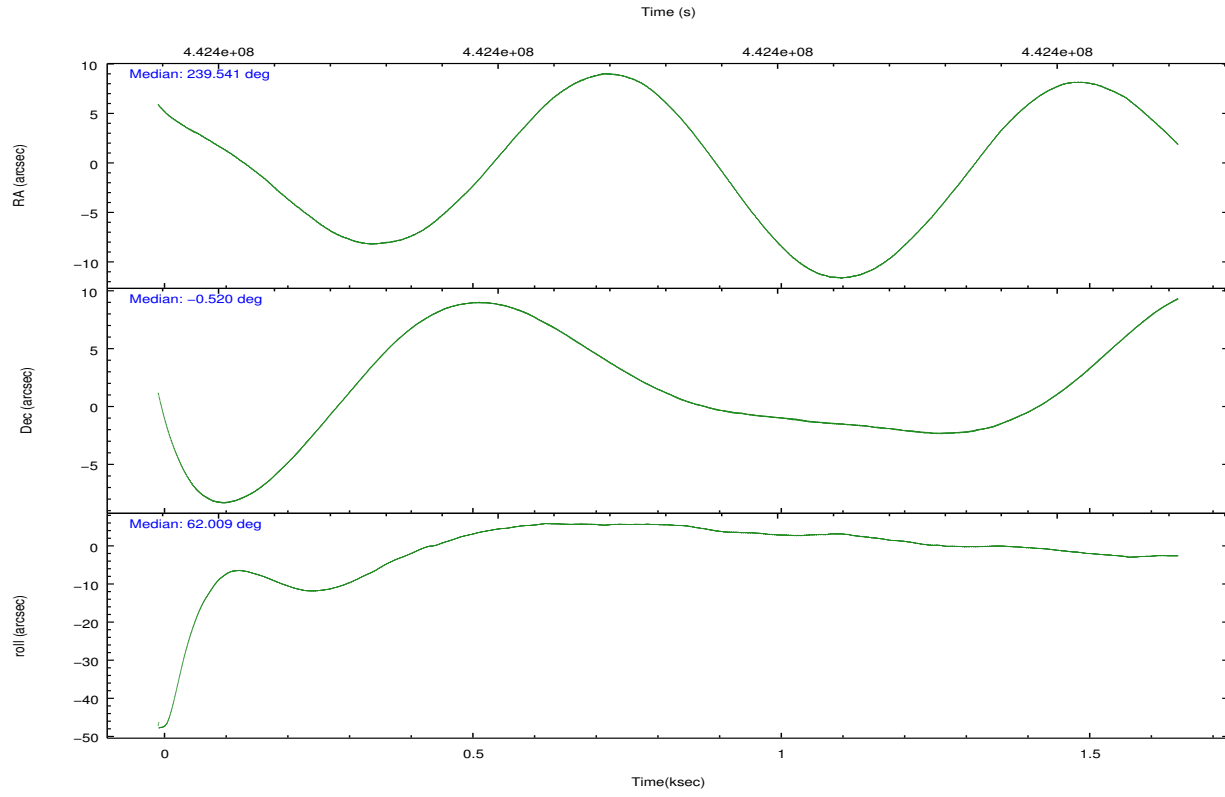
	ccd 6	ccd 7	ccd 8
grade 0 events	405	520	955
	4%	5%	8%
grade 1 events	7	15	8
	0%	0%	0%
grade 2 events	212	1019	736
	2%	9%	6%
grade 3 events	108	483	324
	1%	4%	2%
grade 4 events	91	492	322
	0%	4%	2%
grade 5 events	401	1102	558
	4%	10%	4%
grade 6 events	216	2556	904
	2%	24%	7%
grade 7 events	7787	4126	7709
	84%	40%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	239.542340	239.5411480113686	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.546893	-0.519746778905546	Alternating exposures requested	N	N
[deg] Pointing Roll	61.857341	62.01357202432646	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	442403631.184000	442402116.14208			
Observation start date	2012-01-08T09:52:45	2012-01-08T09:28:36			
[s] Observation end time (MET)	442405131.184000	442406101.85479			
Observation end date	2012-01-08T10:17:45	2012-01-08T10:35:01			
Read mode	TIMED	TIMED			

2.3 Aspect



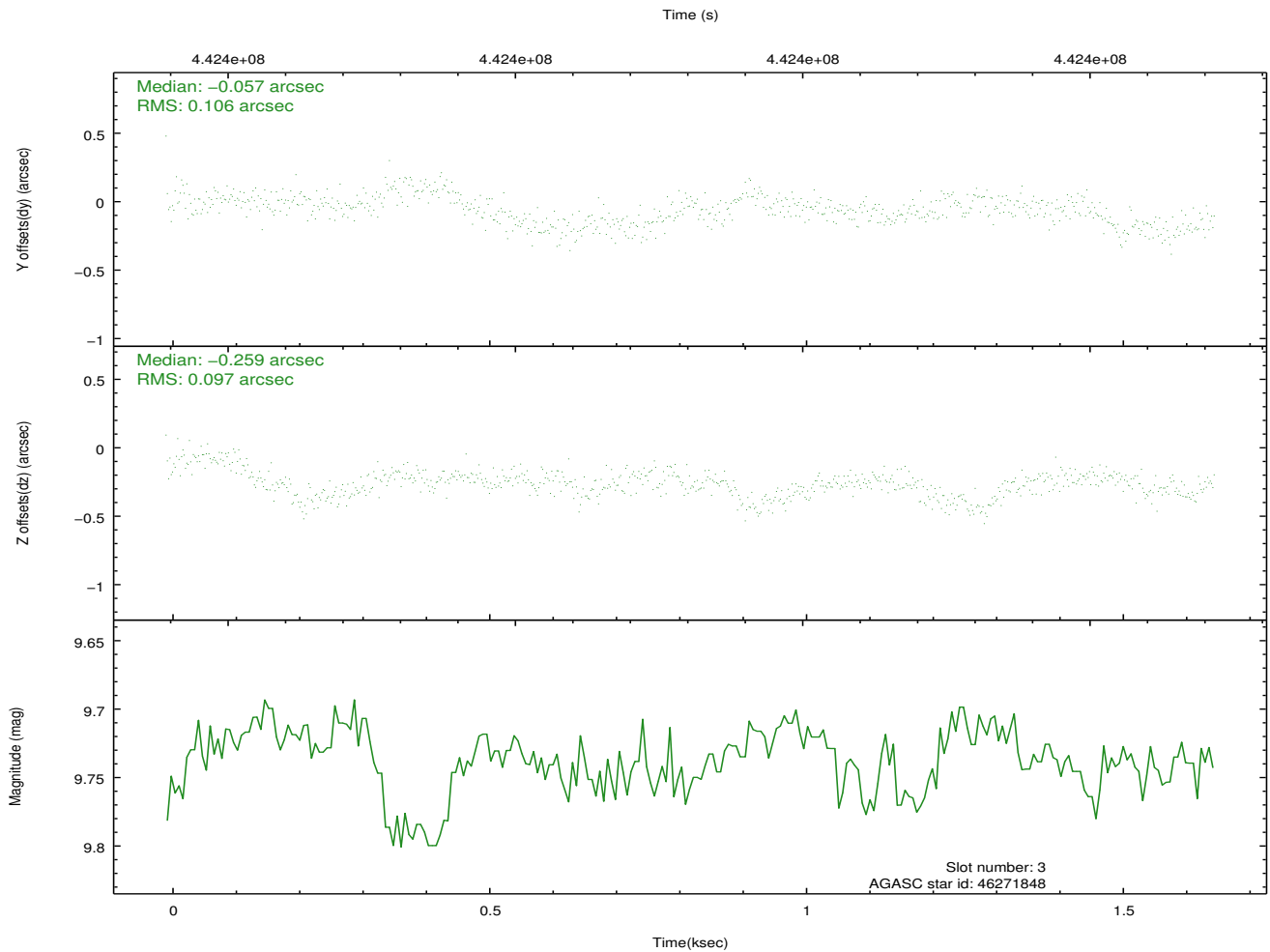
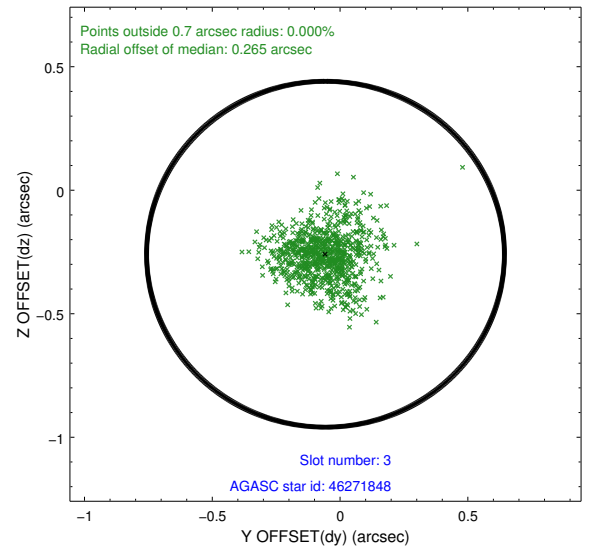
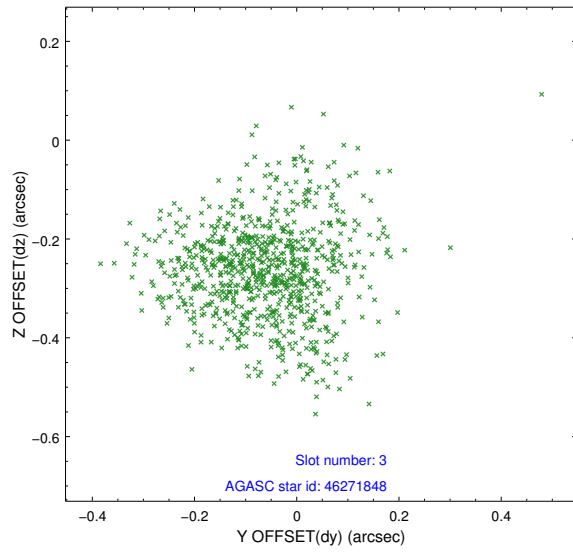


Slot Statistics

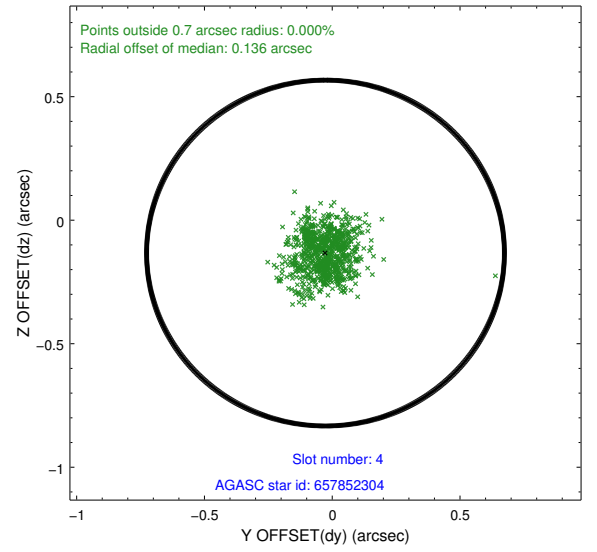
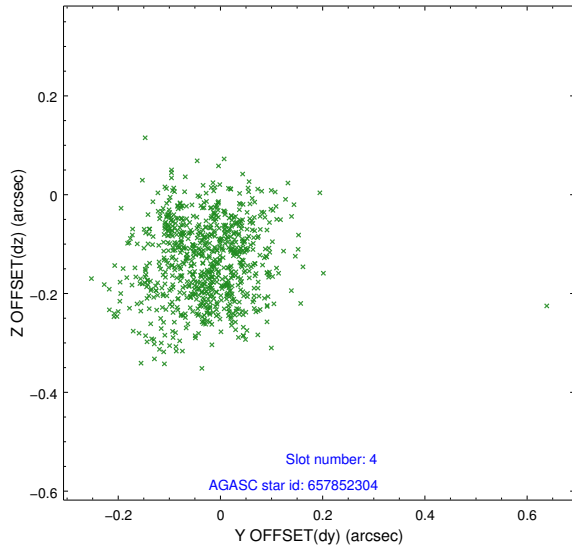
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	404	-0.110	-0.059	0.006	0.011	0.000000	0.000000	-770.82	-1739.85
1	FID	ACIS-S-4	7.01	404	0.146	0.056	0.007	0.011	0.000000	0.000000	2140.94	164.51
2	FID	ACIS-S-6	7.14	404	-0.064	0.011	0.007	0.011	0.000000	0.000000	396.39	806.45
3	GUIDE	46271848	9.73	807	-0.057	-0.259	0.153	0.243	239.541735	0.047716	1886.31	1010.25
4	GUIDE	657852304	9.23	808	-0.026	-0.133	0.117	0.190	239.558470	-0.482646	234.21	60.06
5	GUIDE	657853488	7.05	808	0.094	0.125	0.085	0.132	239.224642	-0.955105	-1834.30	316.02
6	GUIDE	657857408	8.66	808	-0.020	-0.009	0.115	0.168	239.417418	-0.091751	1230.55	1170.73
7	GUIDE	659561288	10.31	805	0.019	0.283	0.230	0.377	240.356583	-0.236245	2370.88	-2054.76

2.4 Star Slots

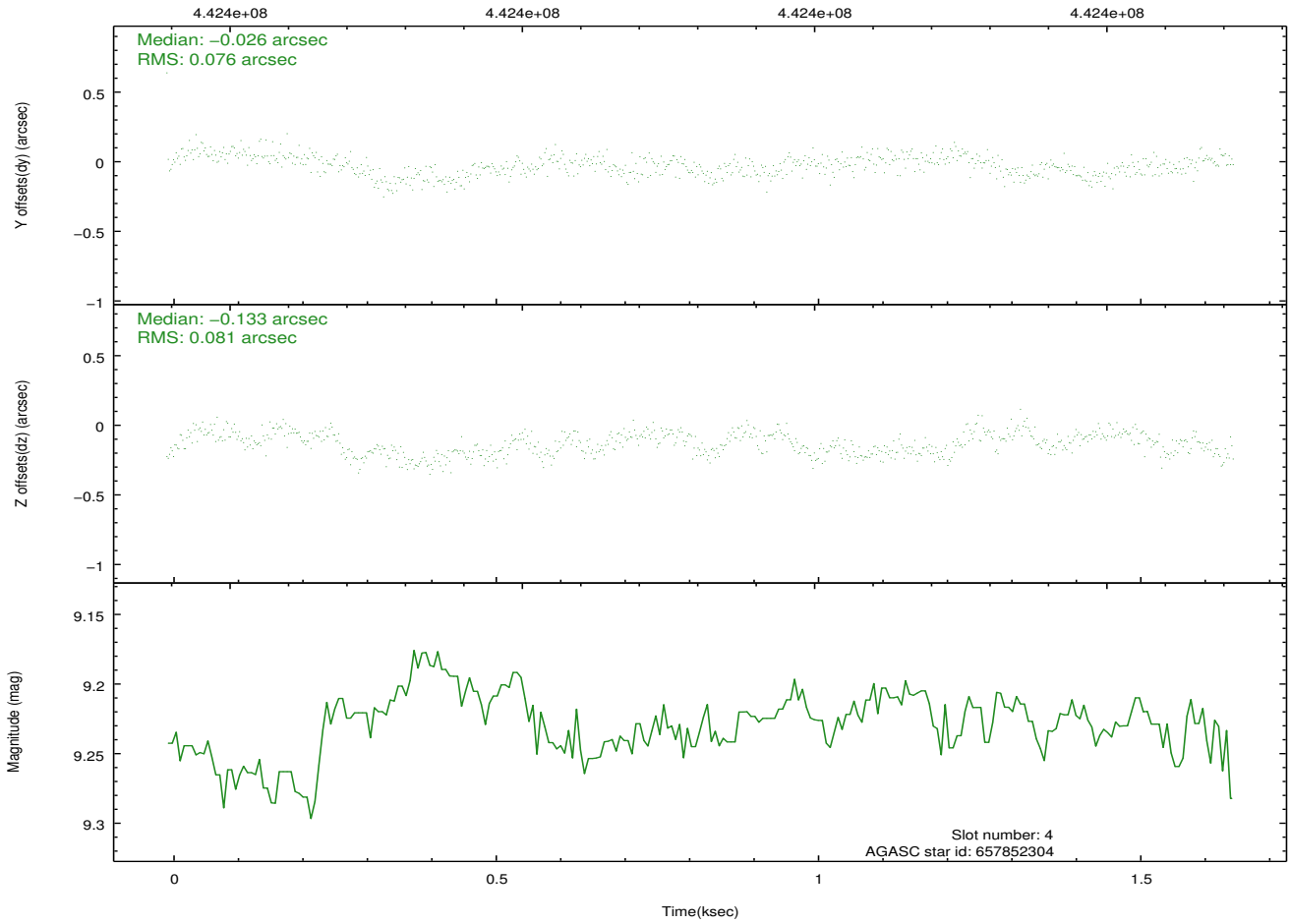
2.4.1 Slot 3



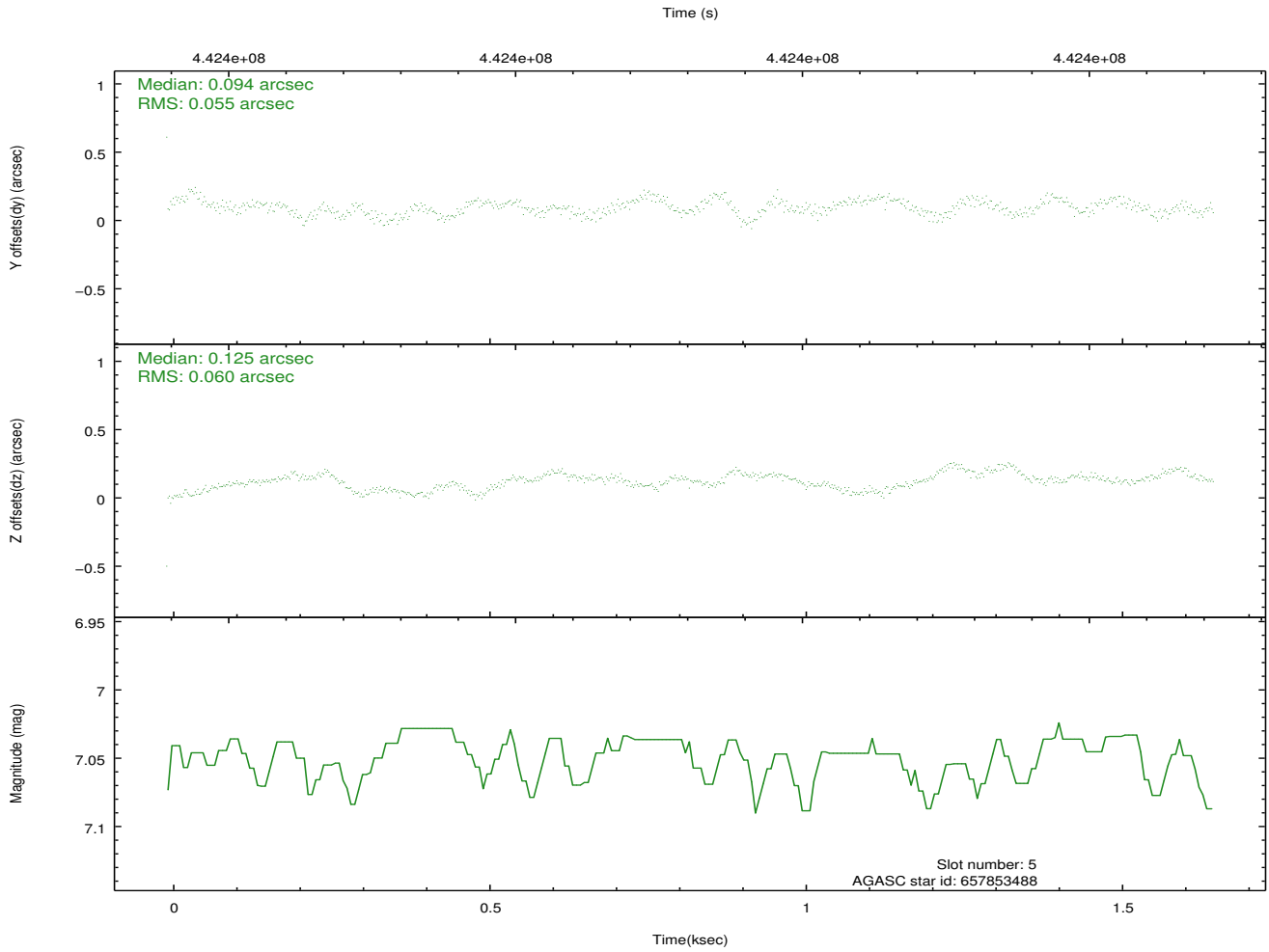
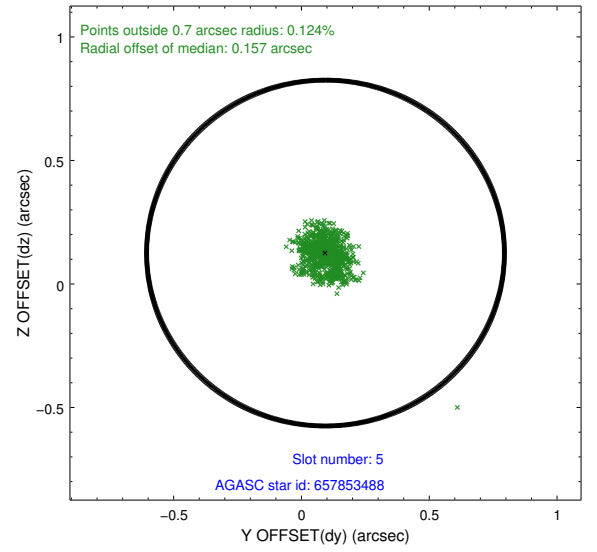
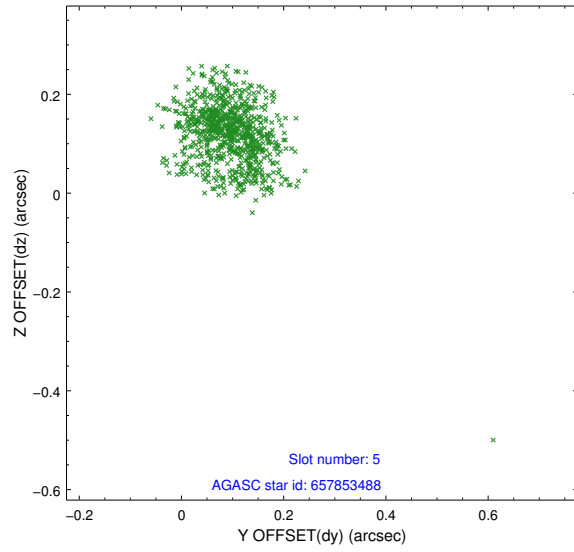
2.4.2 Slot 4



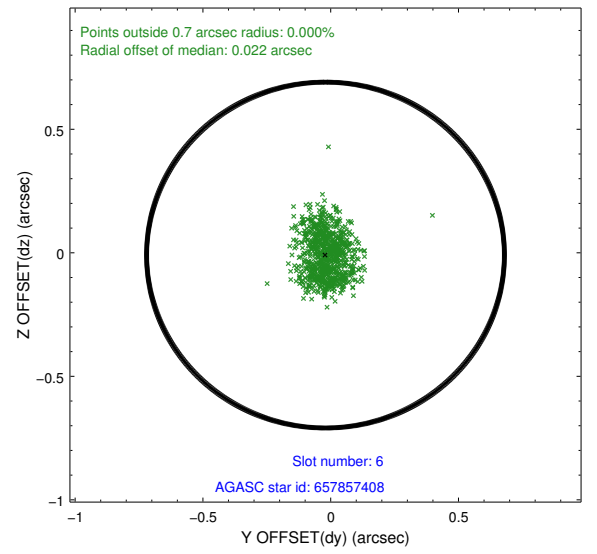
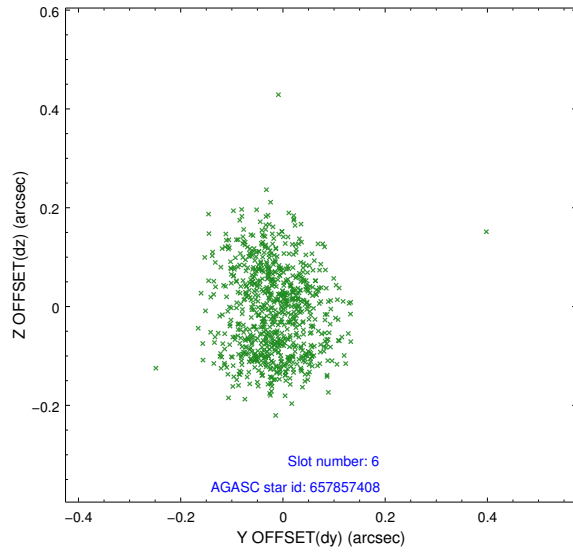
Time (s)



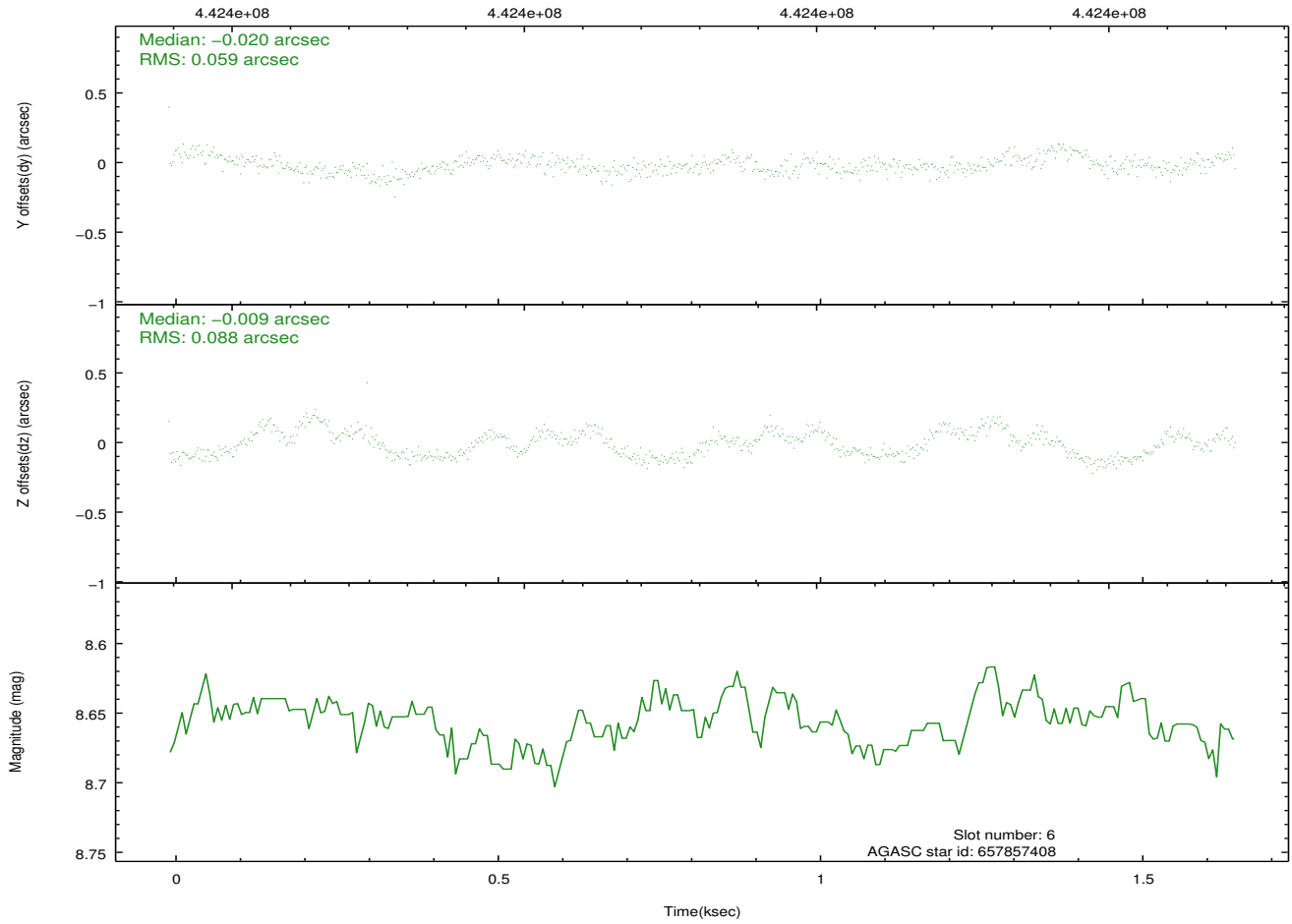
2.4.3 Slot 5



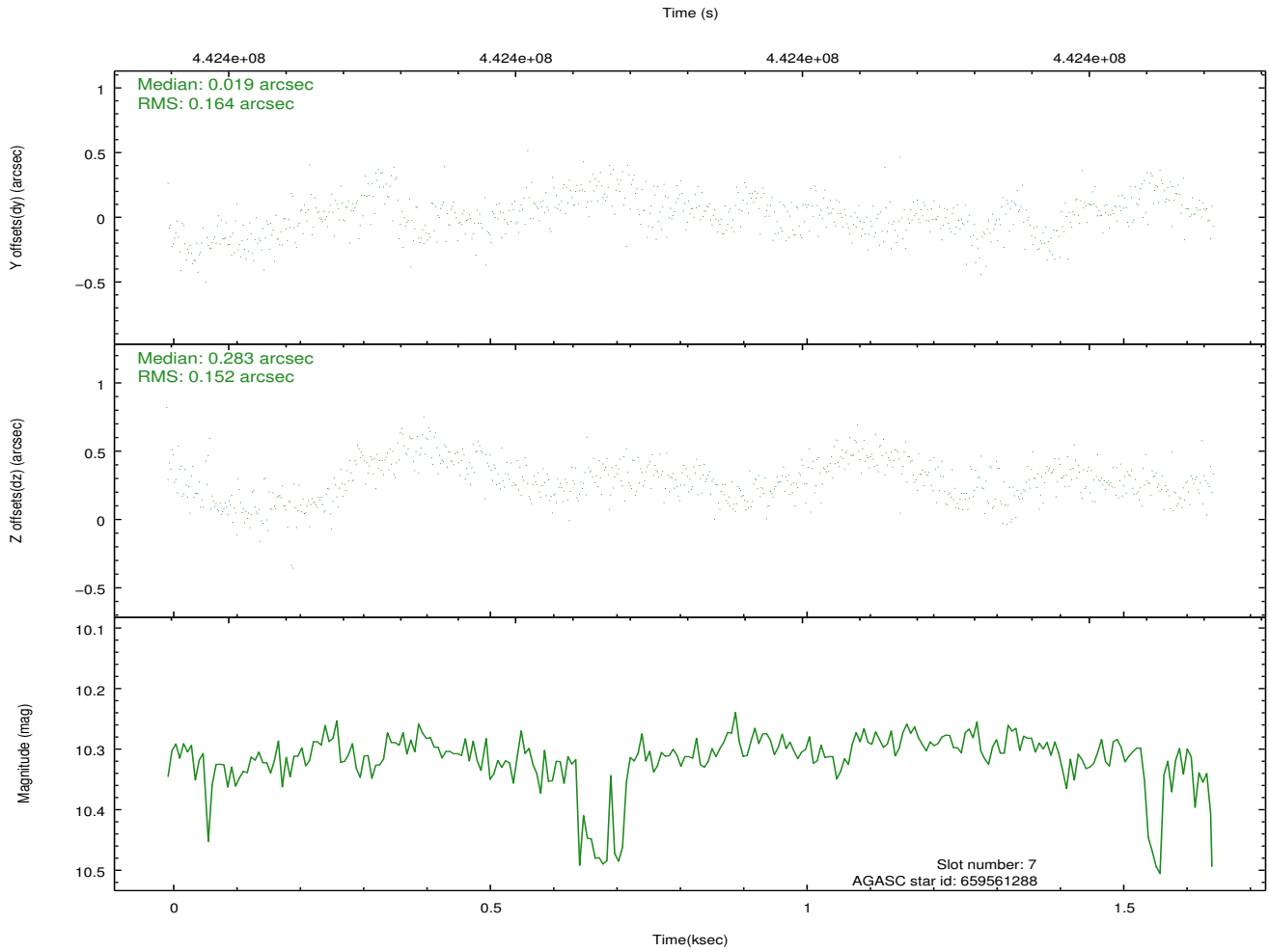
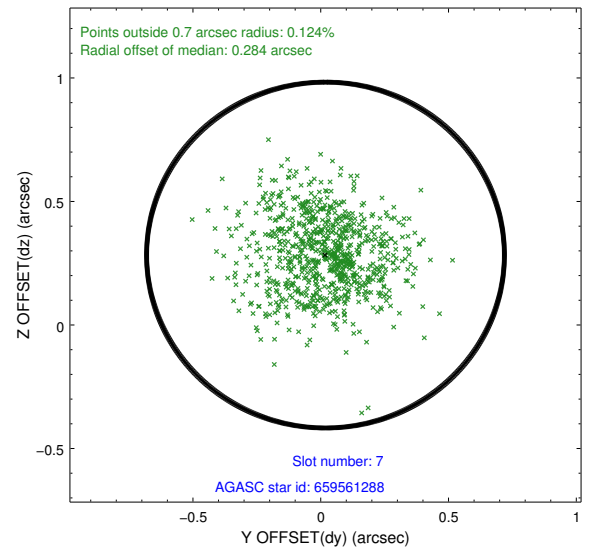
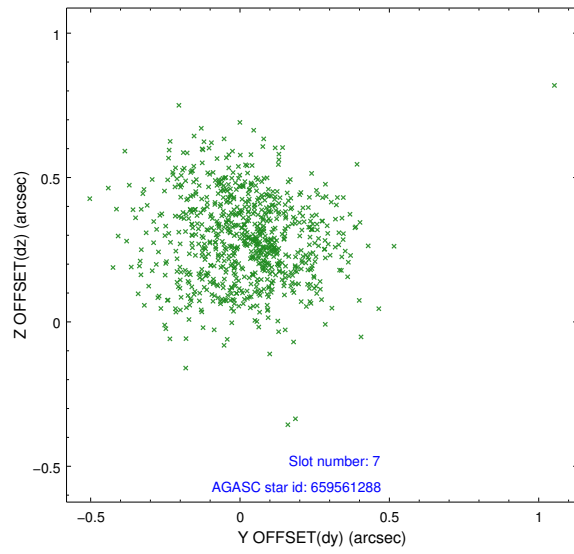
2.4.4 Slot 6



Time (s)

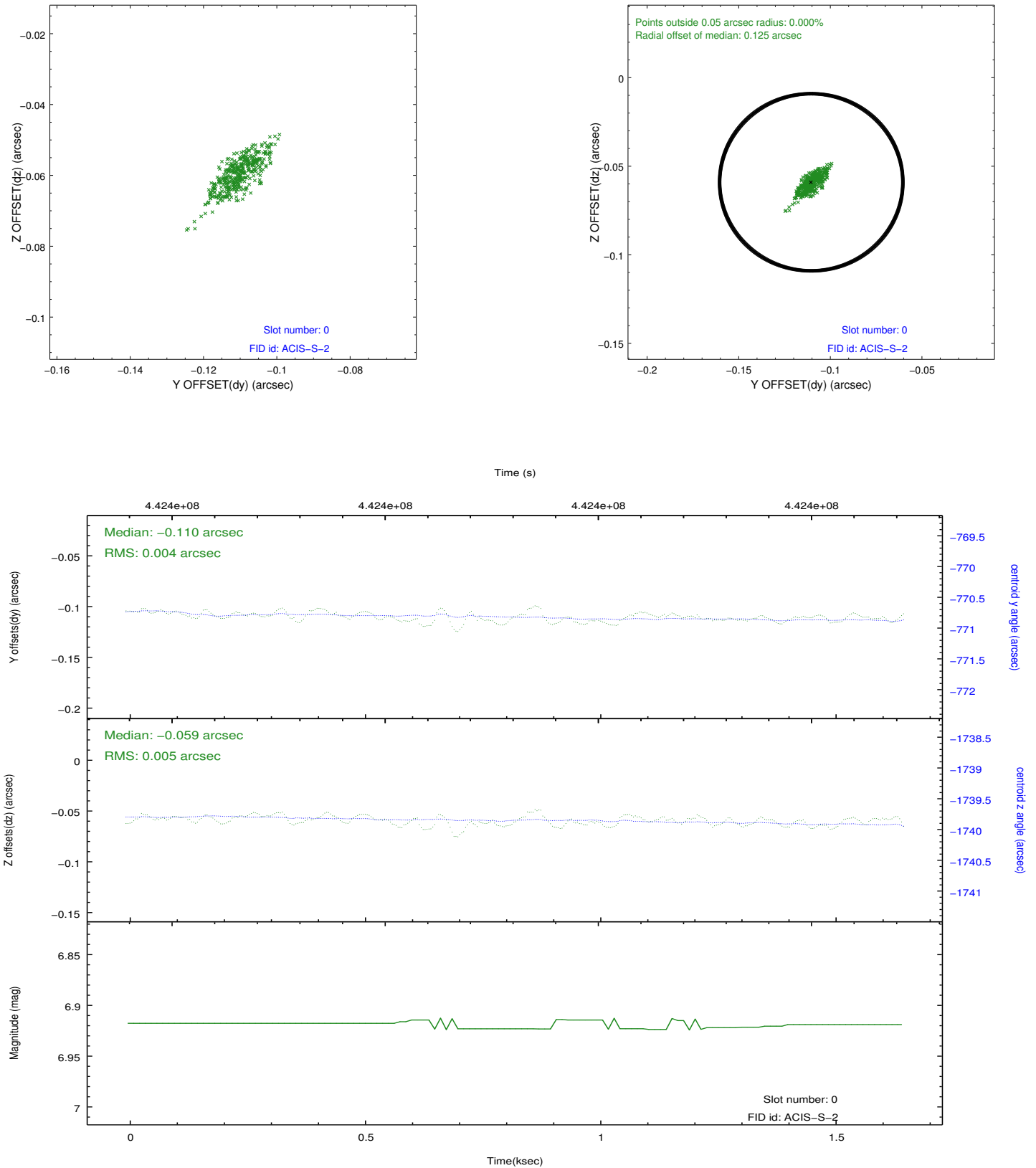


2.4.5 Slot 7

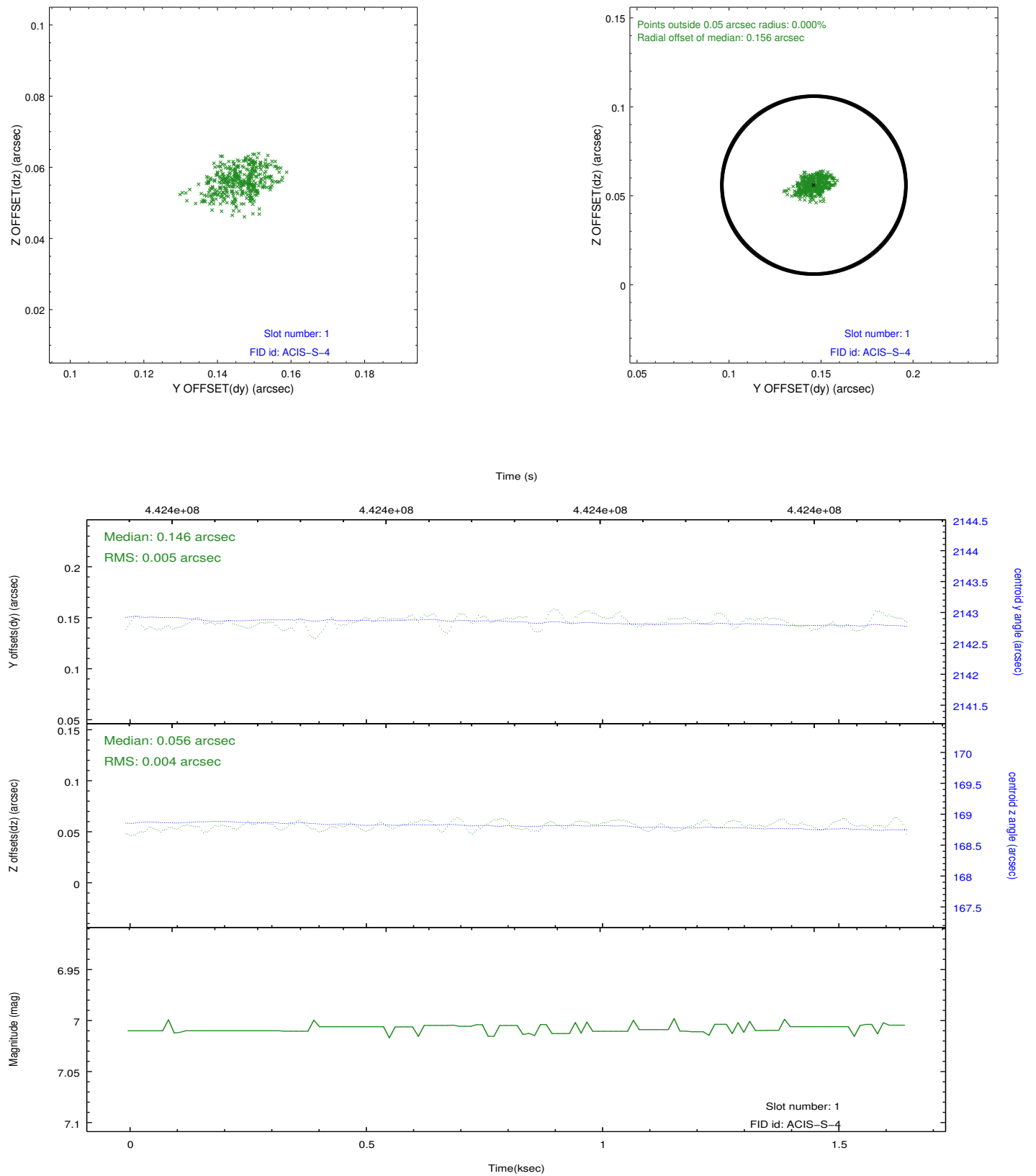


2.5 FID Slots

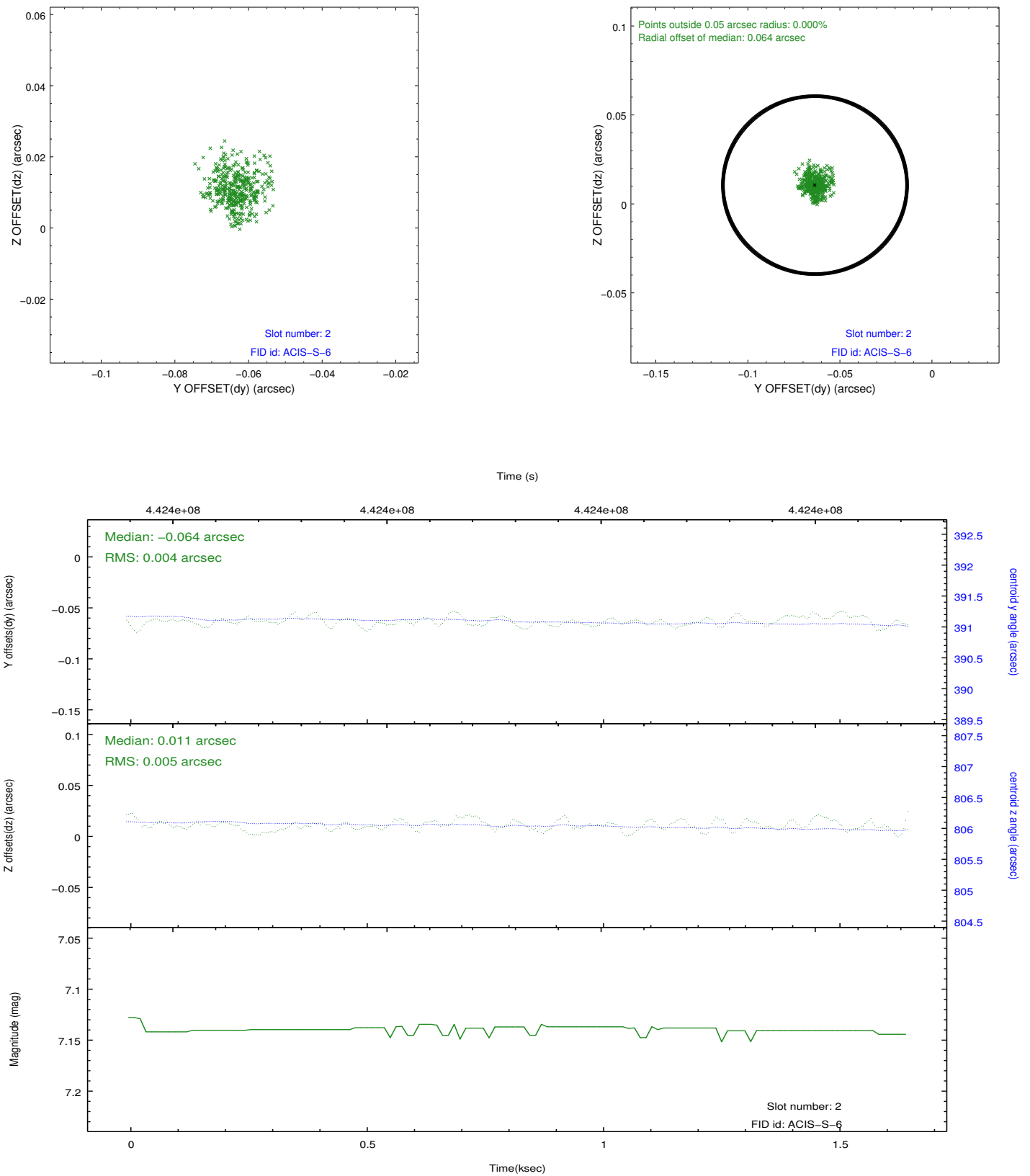
2.5.1 Slot 0



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)	2012.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5624000120163

A.2 Comments