

Disk No	1193	1193	1195	1195	1199	1199	1192	1192	3072	3072	3084
Note									Transient		
Duration	63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01
Dur	63	63	63	63	63	63	63	63	63	63	63
Tester	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST
Tester No	1	1	1	1	1	1	1	1	1	1	1
Recorder	S1X	S1X	S1X	S1X	S1X	S1X	S2X	S2X	S2X	S2X	S2X
Recorder No	1	1	1	1	1	1	2	2	2	2	2
Cal Type	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.
Vendor No	1	1	1	1	1	1	1	1	1	1	1
	1	2	3	4	5	6	7	8	9	10	11
SLD	45.2	45.0	44.9	45	45.2	45.1	44.9	45	45.1	45.0	45.2
SPD	49.6	49.6	49.6	49.6	49.7	49.6	49.8	49.8	49.8	49.8	49.8
MID	114.9	114.9	114.9	114.9	114.9	114.9	115	115	115.0	115.0	115.0
SVY	1.39	1.38	1.38	1.38	1.39	1.38	1.37	1.39	1.39	1.38	1.39
TRP	1.60	1.62	1.62	1.62	1.60	1.62	1.63	1.61	1.61	1.62	1.60
ECC	30	23	33	29	21	27	27	18	23	16	17
PP-MIN	0.074	0.074	0.075	0.073	0.073	0.074	0.070	0.068	0.069	0.070	0.069
PP-MAX	0.082	0.082	0.083	0.081	0.081	0.082	0.075	0.074	0.075	0.076	0.074
PP-AVG	0.078	0.079	0.079	0.077	0.078	0.078	0.073	0.071	0.072	0.073	0.072
XT-MIN	21	21	21	21	21	21	25	24	24	25	25
XT-MAX	23	23	23	23	23	22	26	29	28	30	27
XT-AVG	22	22	22	22	22	22	25	25	26	26	26
DEV-MIN	0.10	0.10	0.10	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.09
DEV-MAX	0.25	0.26	0.25	0.26	0.25	0.23	0.27	0.21	0.25	0.24	0.27
DEV-AVG	0.14	0.15	0.15	0.15	0.14	0.14	0.15	0.13	0.14	0.14	0.15
DEFL-MIN	-0.4	-0.5	-0.4	-0.5	-0.4	-0.4	-0.5	-0.4	-0.5	-0.5	-0.5
DEFL-MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEFL-AVG	-0.2	-0.3	-0.2	-0.3	-0.3	-0.2	-0.3	-0.2	-0.3	-0.3	-0.3
BLER-MIN Val	0	0	0	0	0	0	0	0	0	0	0
BLER-MIN Loc	00 03 00	00 03 00	00 11 00	00 11 00	00 03 00	00 03 00	00 05 00	00 05 00	00 04 00	00 04 00	00 03 00
BLER-MIN Loc	0.05	0.05	0.18	0.18	0.05	0.05	0.08	0.08	0.07	0.07	0.05
BLER-MAX Val	27	29	28	28	42	38	33	33	740	39	23
BLER-MAX Loc	16 25 00	16 25 00	15 11 00	22 30 00	05 51 00	05 01 00	05 09 00	05 09 00	14 13 00	10 04 00	16 41 00
BLER-MAX Loc	16.42	16.42	15.18	22.50	5.85	5.02	5.15	5.15	14.22	10.07	16.68
BLER-AVG Val	4	4	4	4	5	5	3	3	2	1	1
E11-MIN Val	0	0	0	0	0	0	0	0	0	0	0
E11-MIN Loc	00 03 00	00 03 00	00 11 00	00 11 00	00 03 00	00 03 00	00 05 00	00 05 00	00 04 00	00 04 00	00 03 00
E11-MIN Loc	0.05	0.05	0.18	0.18	0.05	0.05	0.08	0.08	0.07	0.07	0.05
E11-MAX Val	27	27	22	23	27	25	23	24	20	19	17
E11-MAX Loc	16 25 00	16 25 00	24 04 00	36 17 00	18 02 00	05 30 00	06 03 00	06 03 00	10 04 00	10 04 00	02 54 00
E11-MAX Loc	16.42	16.42	24.07	36.28	18.03	5.50	6.05	6.05	10.07	10.07	2.90
E11-AVG Val	3	3	3	3	4	4	3	3	1	1	1
E21-MIN Val	0	0	0	0	0	0	0	0	0	0	0
E21-MIN Loc	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 03 00	00 03 00
E21-MIN Loc	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05	0.05
E21-MAX Val	9	8	10	13	17	15	11	10	9	12	8
E21-MAX Loc	08 48 00	19 34 00	11 18 00	34 47 00	02 29 00	02 29 00	05 55 00	10 16 00	10 04 00	02 18 00	01 34 00
E21-MAX Loc	8.80	19.57	11.30	34.78	2.48	2.48	5.92	10.27	10.07	2.30	1.57
E21-AVG Val	0	0	0	0	0	0	0	0	0	0	0

E31-MIN Val	0	0	0	0	0	0	0	0	0	0	0
E31-MIN Loc	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 03 00
E31-MIN Loc	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05
E31-MAX Val	13	18	17	16	28	26	18	14	736	21	15
E31-MAX Loc	19 23 00	19 23 00	15 11 00	03 46 00	05 51 00	05 49 00	19 28 00	19 28 00	14 13 00	04 02 00	06 09 00
E31-MAX Loc	19.38	19.38	15.18	3.77	5.85	5.82	19.47	19.47	14.22	4.03	6.15
E31-AVG Val	0	0	0	0	0	0	0	0	0	0	0
E12-MIN Val	0	0	0	0	0	0	0	0	0	0	0
E12-MIN Loc	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 03 00
E12-MIN Loc	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05
E12-MAX Val	96	104	143	137	273	329	137	118	292	263	107
E12-MAX Loc	07 28 00	24 59 00	15 11 00	24 07 00	05 49 00	05 47 00	19 28 00	05 09 00	04 02 00	04 02 00	19 16 00
E12-MAX Loc	7.47	24.98	15.18	24.12	5.82	5.78	19.47	5.15	4.03	4.03	19.27
E12-AVG Val	2	2	3	3	5	5	2	2	1	1	1
E22-MIN Val	0	0	0	0	0	0	0	0	0	0	0
E22-MIN Loc	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
E22-MIN Loc	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
E22-MAX Val	0	0	2	2	9	6	0	0	10	0	0
E22-MAX Loc	00 00 00	00 00 00	50 30 00	50 30 00	05 51 00	05 51 00	00 00 00	00 00 00	14 13 00	00 00 00	00 00 00
E22-MAX Loc	0.00	0.00	50.50	50.50	5.85	5.85	0.00	0.00	14.22	0.00	0.00
E22-AVG Val	0	0	0	0	0	0	0	0	0	0	0
E32-MIN Val	0	0	0	0	0	0	0	0	0	0	0
E32-MIN Loc	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
E32-MIN Loc	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
E32-MAX Val	0	0	0	0	0	0	0	0	735	0	0
E32-MAX Loc	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	14 13 00	00 00 00	00 00 00
E32-MAX Loc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.22	0.00	0.00
E32-AVG Val	0	0	0	0	0	0	0	0	0	0	0
I3-MIN Val Loc	0.45	0.45	0.47	0.47	0.46	0.46	0.47	0.46	0.29	0.45	0.46
I3-MIN Loc	27 42 00	59 05 00	15 19 00	33 26 00	18 06 00	62 08 00	22 20 00	32 10 00	14 13 00	61 31 00	61 50 00
I3-MIN Loc	27.70	59.08	15.32	33.43	18.10	62.13	22.33	32.17	14.22	61.52	61.83
I3-MAX Val	0.50	0.50	0.51	0.51	0.52	0.52	0.51	0.51	0.51	0.50	0.50
I3-MAX Loc	63 00 00	63 00 00	44 17 00	63 00 00	00 13 00	00 13 00	62 48 00	06 10 00	07 29 00	02 57 00	35 49 00
I3-MAX Loc	63.00	63.00	44.28	63.00	0.22	0.22	62.80	6.17	7.48	2.95	35.82
I3-AVG Val	0.48	0.47	0.49	0.49	0.48	0.48	0.49	0.49	0.48	0.48	0.49
I11-MIN Val	0.69	0.70	0.72	0.72	0.71	0.71	0.75	0.74	0.55	0.74	0.74
I11-MIN Loc	24 32 00	26 15 00	24 34 00	24 03 00	25 31 00	25 31 00	28 26 00	25 43 00	14 13 00	28 33 00	26 54 00
I11-MIN Loc	24.53	26.25	24.57	24.05	25.52	25.52	28.43	25.72	14.22	28.55	26.90
I11-MAX Val	0.76	0.76	0.79	0.78	0.78	0.78	0.80	0.79	0.79	0.79	0.80
I11-MAX Loc	63 00 00	63 00 00	63 00 00	63 00 00	00 51 00	00 13 00	51 20 00	53 17 00	02 15 00	04 06 00	52 54 00
I11-MAX Loc	63.00	63.00	63.00	63.00	0.85	0.22	51.33	53.28	2.25	4.10	52.90
I11-AVG Val	0.73	0.73	0.75	0.74	0.74	0.74	0.78	0.77	0.76	0.76	0.77
I3R-MIN Val	0.50	0.48	0.50	0.50	0.50	0.50	0.51	0.51	0.33	0.50	0.50
I3R-MIN Loc	55 31 00	59 05 00	56 47 00	62 56 00	61 51 00	46 25 00	49 13 00	51 11 00	14 13 00	60 34 00	59 57 00
I3R-MIN Loc	55.52	59.08	56.78	62.93	61.85	46.42	49.22	51.18	14.22	60.57	59.95
I3R-MAX Val	0.56	0.55	0.56	0.56	0.55	0.55	0.56	0.56	0.56	0.55	0.56
I3R-MAX Loc	11 31 00	26 13 00	62 46 00	56 12 00	31 08 00	27 44 00	12 04 00	15 58 00	07 16 00	08 14 00	35 41 00
I3R-MAX Loc	11.52	26.22	62.77	56.20	31.13	27.73	12.07	15.97	7.27	8.23	35.68
I3R-AVG Val	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.53	0.53	0.53
I11R-MIN Val	0.77	0.77	0.78	0.76	0.78	0.79	0.81	0.80	0.62	0.81	0.80

I11R-MIN Loc	29 59 00	59 05 00	56 47 00	62 56 00	56 15 00	61 55 00	20 11 00	01 04 00	14 13 00	29 14 00	59 57 00
I11R-MIN Loc	29.98	59.08	56.78	62.93	56.25	61.92	20.18	1.07	14.22	29.23	59.95
I11R-MAX Val	0.85	0.84	0.85	0.84	0.84	0.85	0.88	0.87	0.88	0.87	0.87
I11R-MAX Loc	11 31 00	08 05 00	08 16 00	61 49 00	46 15 00	61 30 00	12 04 00	37 21 00	07 16 00	08 14 00	35 41 00
I11R-MAX Loc	11.52	8.08	8.27	61.82	46.25	61.50	12.07	37.35	7.27	8.23	35.68
I11R-AVG Val	0.81	0.81	0.82	0.81	0.81	0.82	0.85	0.84	0.84	0.84	0.84
REF-MIN Val	62	64	64	64	64	64	63	64	63	64	64
REF-MIN Loc	11 31 00	24 39 00	28 04 00	21 33 00	24 49 00	30 20 00	28 27 00	25 43 00	15 55 00	22 39 00	35 41 00
REF-MIN Loc	11.52	24.65	28.07	21.55	24.82	30.33	28.45	25.72	15.92	22.65	35.68
REF-MAX Val	68	69	71	71	70	70	70	69	70	70	70
REF-MAX Loc	52 12 00	03 14 00	56 47 00	62 56 00	56 15 00	00 13 00	54 46 00	02 56 00	05 48 00	10 50 00	57 37 00
REF-MAX Loc	52.20	3.23	56.78	62.93	56.25	0.22	54.77	2.93	5.80	10.83	57.62
REF-AVG Val	65	66	67	66	66	66	67	66	66	66	67
SYM-MIN Val	-2	-2	-1	-1	0	0	-2	-2	-1	-2	-2
SYM-MIN Loc	62 49 00	02 02 00	01 52 00	01 52 00	62 08 00	62 08 00	02 07 00	00 50 00	00 47 00	00 57 00	00 51 00
SYM-MIN Loc	62.82	2.03	1.87	1.87	62.13	62.13	2.12	0.83	0.78	0.95	0.85
SYM-MAX Val	-8	-8	-7	-7	-7	-7	-8	-8	8	-8	-6
SYM-MAX Loc	44 20 00	50 50 00	46 12 00	57 24 00	58 44 00	58 44 00	62 34 00	62 34 00	14 13 00	63 01 00	23 08 00
SYM-MAX Loc	44.33	50.83	46.20	57.40	58.73	58.73	62.57	62.57	14.22	63.02	23.13
SYM-AVG Val	-5	-5	-4	-4	-4	-4	-6	-6	-5	-5	-4
BERL-MIN Val	0	0	0	0	0	0	0	0	0	0	0
BERL-MIN Loc	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 04 00	00 03 00
BERL-MIN Loc	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.05
BERL-MAX Val	3	3	3	3	3	3	5	3	6	3	3
BERL-MAX Loc	15 55 00	08 04 00	02 14 00	02 14 00	01 56 00	01 56 00	00 08 00	02 13 00	14 13 00	03 59 00	06 08 00
BERL-MAX Loc	15.92	8.07	2.23	2.23	1.93	1.93	0.13	2.22	14.22	3.98	6.13
BERL-AVG Val	0	0	0	0	0	0	0	0	0	0	0
RN-MIN Val	8	15	8	5	8	9	8	6	6	6	5
RN-MIN Loc	57 39 03	02 22 00	15 37 03	62 33 03	12 43 00	18 38 00	01 40 00	25 03 03	12 36 00	17 26 00	05 01 00
RN-MIN Loc	57.65	2.37	15.62	62.55	12.72	18.63	1.67	25.05	12.60	17.43	5.02
RN-MAX Val	36	38	41	41	31	33	20	20	35	32	25
RN-MAX Loc	62 42 00	62 46 00	62 56 00	62 57 00	40 21 00	40 21 00	60 40 00	60 40 00	16 47 00	56 32 00	59 45 00
RN-MAX Loc	62.70	62.77	62.93	62.95	40.35	40.35	60.67	60.67	16.78	56.53	59.75
RN-AVG	23	24	24	24	15	16	13	13	11	11	10
B EGL	0	0	0	0	0	0	0	0	0	0	0
E32TOT	0	0	0	0	0	0	0	0	735	0	0

3084	1042	1042	1043	1043	1041	1041	1017	1017	1018	1018	1019
63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01	63:01
63	63	63	63	63	63	63	63	63	63	63	63
NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST
1	1	1	1	1	1	1	1	1	1	1	1
S2X	S1X	S1X	S1X	S1X	S1X	S1X	S1X	S1X	S1X	S1X	S1X
2	1	1	1	1	1	1	1	1	1	1	1
CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.
1	2	2	2	2	2	2	3	3	3	3	3
12	13	14	15	16	17	18	19	20	21	22	23
45.1	45.1	45.1	45.2	45.2	45	44.9	45.1	45.2	45.2	45.1	45
49.8	49.7	49.6	49.7	49.6	49.6	49.6	49.6	49.6	49.7	49.6	49.6
115.0	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9
1.39	1.39	1.39	1.39	1.38	1.39	1.39	1.38	1.39	1.37	1.38	1.39
1.61	1.60	1.61	1.61	1.62	1.61	1.61	1.62	1.61	1.63	1.62	1.61
14	17	20	12	23	9	8	13	11	16	16	17
0.070	0.074	0.074	0.075	0.074	0.075	0.073	0.072	0.072	0.072	0.073	0.076
0.076	0.081	0.083	0.081	0.082	0.081	0.080	0.079	0.078	0.078	0.080	0.082
0.072	0.078	0.079	0.079	0.078	0.079	0.077	0.076	0.075	0.076	0.077	0.080
25	21	21	21	21	20	21	22	22	21	21	21
27	24	24	24	24	24	25	24	24	24	24	23
26	22	22	22	22	21	22	23	23	23	23	21
0.10	0.09	0.09	0.09	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.10
0.25	0.21	0.19	0.20	0.20	0.19	0.20	0.28	0.27	0.27	0.25	0.24
0.15	0.13	0.12	0.13	0.12	0.12	0.13	0.16	0.15	0.15	0.14	0.14
-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.3	-0.3	-0.4	-0.3	-0.5
-0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 04 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 19 00	00 04 00	00 04 00	00 03 00
0.05	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.32	0.07	0.07	0.05
21	18	19	26	26	15	14	32	19	21	21	21
01 35 00	58 03 00	58 03 00	13 36 00	13 36 00	16 19 00	24 06 00	17 52 00	07 39 00	04 27 00	04 27 00	01 31 00
1.58	58.05	58.05	13.60	13.60	16.32	24.10	17.87	7.65	4.45	4.45	1.52
1	1	1	0	0	1	1	1	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 04 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 19 00	00 04 00	00 04 00	00 03 00
0.05	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.32	0.07	0.07	0.05
17	12	12	12	13	13	12	20	13	17	17	17
02 54 00	05 03 00	05 03 00	37 50 00	37 50 00	05 03 00	25 27 00	17 35 00	00 25 00	04 27 00	04 27 00	05 01 00
2.90	5.05	5.05	37.83	37.83	5.05	25.45	17.58	0.42	4.45	4.45	5.02
1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05	0.05	0.05
9	6	6	7	7	6	5	9	8	7	6	8
01 35 00	53 21 00	53 21 00	60 39 00	13 37 00	16 19 00	16 19 00	10 47 00	41 47 00	34 36 00	01 37 00	47 11 00
1.58	53.35	53.35	60.65	13.62	16.32	16.32	10.78	41.78	34.60	1.62	47.18
0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05	0.05	0.05
15	11	11	18	16	11	11	16	12	15	16	21	
06 09 00	08 35 00	08 35 00	01 07 00	01 07 00	38 52 00	56 47 00	17 54 00	02 42 00	01 37 00	03 05 00	01 31 00	
6.15	8.58	8.58	1.12	1.12	38.87	56.78	17.90	2.70	1.62	3.08	1.52	
0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05	0.05	0.05
93	103	101	161	120	115	146	128	151	113	113	234	
19 28 00	56 47 00	08 35 00	01 06 00	13 34 00	38 52 00	56 47 00	17 52 00	02 42 00	01 37 00	03 05 00	05 23 00	
19.47	56.78	8.58	1.10	13.57	38.87	56.78	17.87	2.70	1.62	3.08	5.38	
1	0	0	0	0	1	1	1	0	0	0	1	
0	0	0	0	0	0	0	0	0	0	0	0	
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0	0	0	0	0	0	0	0	0	0	0	0	7
00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	07 45 00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.75
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0	0	0	0	0	0	0	0	0	0	0	0	0
00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0	0	0	0	0	0
0.45	0.44	0.44	0.45	0.45	0.43	0.43	0.47	0.46	0.48	0.47	0.46	
60 25 00	58 39 00	62 39 00	60 39 00	59 53 00	62 40 00	61 24 00	25 00 00	18 42 00	26 50 00	22 44 00	56 42 00	
60.42	58.65	62.65	60.65	59.88	62.67	61.40	25.00	18.70	26.83	22.73	56.70	
0.50	0.54	0.54	0.54	0.54	0.53	0.53	0.52	0.50	0.52	0.51	0.50	
62 49 00	00 17 00	00 34 00	00 05 00	00 17 00	01 05 00	01 23 00	63 00 00	63 01 00	51 31 00	47 41 00	04 54 00	
62.82	0.28	0.57	0.08	0.28	1.08	1.38	63.00	63.02	51.52	47.68	4.90	
0.48	0.48	0.48	0.49	0.48	0.47	0.47	0.50	0.48	0.50	0.49	0.48	
0.75	0.68	0.68	0.69	0.69	0.66	0.66	0.72	0.74	0.72	0.73	0.70	
24 07 00	61 52 00	61 52 00	61 01 00	61 51 00	61 01 00	61 01 00	24 03 00	25 28 00	27 37 00	25 31 00	24 34 00	
24.12	61.87	61.87	61.02	61.85	61.02	61.02	24.05	25.47	27.62	25.52	24.57	
0.80	0.82	0.82	0.82	0.82	0.81	0.80	0.78	0.79	0.78	0.79	0.76	
54 02 00	00 22 00	00 48 00	00 20 00	00 36 00	00 06 00	00 36 00	51 47 00	51 18 00	51 14 00	52 52 00	53 01 00	
54.03	0.37	0.80	0.33	0.60	0.10	0.60	51.78	51.30	51.23	52.87	53.02	
0.77	0.73	0.73	0.74	0.73	0.72	0.71	0.75	0.77	0.75	0.76	0.73	
0.50	0.50	0.49	0.51	0.50	0.50	0.50	0.49	0.50	0.51	0.51	0.50	
60 25 00	58 39 00	62 16 00	60 39 00	61 58 00	58 25 00	61 24 00	53 38 00	00 24 00	02 35 00	56 42 00	53 47 00	
60.42	58.65	62.27	60.65	61.97	58.42	61.40	53.63	0.40	2.58	56.70	53.78	
0.55	0.56	0.56	0.56	0.56	0.56	0.57	0.56	0.55	0.56	0.55	0.55	
36 48 00	08 18 00	02 16 00	56 03 24	03 34 00	01 05 00	07 03 00	17 57 00	49 43 00	60 26 00	24 36 00	45 44 00	
36.80	8.30	2.27	56.05	3.57	1.08	7.05	17.95	49.72	60.43	24.60	45.73	
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.53	0.54	0.53	0.53	
0.81	0.77	0.77	0.78	0.77	0.76	0.76	0.75	0.81	0.79	0.79	0.77	

02 44 00	31 45 00	62 16 00	24 55 00	27 57 00	59 19 00	62 24 00	53 38 00	53 40 00	25 32 00	55 16 00	53 47 00
2.73	31.75	62.27	24.92	27.95	59.32	62.40	53.63	53.67	25.53	55.27	53.78
0.87	0.86	0.86	0.85	0.86	0.85	0.84	0.85	0.86	0.85	0.86	0.84
55 09 00	08 18 00	02 16 00	08 29 00	01 15 00	02 14 00	07 03 00	43 05 00	11 34 00	60 26 00	59 40 00	17 47 00
55.15	8.30	2.27	8.48	1.25	2.23	7.05	43.08	11.57	60.43	59.67	17.78
0.84	0.81	0.82	0.81	0.81	0.81	0.80	0.81	0.84	0.81	0.82	0.81
64	62	62	63	63	62	62	64	65	64	65	64
25 29 00	50 20 00	59 07 00	40 47 00	61 12 00	62 22 00	61 30 00	25 18 00	27 30 00	17 34 00	24 36 00	30 35 00
25.48	50.33	59.12	40.78	61.20	62.37	61.50	25.30	27.50	17.57	24.60	30.58
70	72	72	73	73	73	70	74	71	70	71	70
02 44 00	00 27 00	00 48 00	00 24 00	02 55 00	00 40 00	00 13 00	53 38 00	53 40 00	02 06 00	55 16 00	53 47 00
2.73	0.45	0.80	0.40	2.92	0.67	0.22	53.63	53.67	2.10	55.27	53.78
67	65	65	66	66	65	64	67	67	67	68	66
-2	-2	-2	-1	-1	0	0	-2	-1	-2	-2	-1
00 13 00	00 26 00	05 53 00	02 40 00	01 13 00	00 08 00	00 08 00	00 52 00	01 09 00	02 06 00	00 57 00	01 30 00
0.22	0.43	5.88	2.67	1.22	0.13	0.13	0.87	1.15	2.10	0.95	1.50
-7	-7	-7	-6	-6	-6	-6	-9	-7	-8	-8	-8
25 05 00	58 59 00	60 27 00	57 51 00	57 28 00	60 02 00	60 02 00	60 00 00	62 54 00	60 57 00	60 36 00	62 04 00
25.08	58.98	60.45	57.85	57.47	60.03	60.03	60.00	62.90	60.95	60.60	62.07
-4	-4	-5	-4	-4	-4	-4	-6	-5	-5	-5	-5
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05	0.05	0.05
5	3	3	5	3	3	3	4	3	3	3	3
00 25 00	01 35 00	01 35 00	00 08 00	13 34 00	25 27 00	30 43 00	17 49 00	13 23 00	17 50 00	15 55 00	01 30 00
0.42	1.58	1.58	0.13	13.57	25.45	30.72	17.82	13.38	17.83	15.92	1.50
0	0	0	0	0	0	0	0	0	0	0	0
5	5	6	12	6	7	7	7	7	7	7	14
23 11 00	62 20 00	20 06 00	62 41 00	18 55 03	55 47 00	55 50 00	19 17 00	20 20 00	20 29 00	25 08 00	06 36 00
23.18	62.33	20.10	62.68	18.92	55.78	55.83	19.28	20.33	20.48	25.13	6.60
26	26	27	31	32	27	28	48	31	37	37	53
59 52 00	47 59 00	51 49 00	42 19 00	38 42 00	48 55 00	48 55 00	53 50 00	54 15 00	54 17 00	53 45 00	53 54 00
59.87	47.98	51.82	42.32	38.70	48.92	48.92	53.83	54.25	54.28	53.75	53.90
10	11	12	18	18	12	12	17	13	15	15	27
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

1019	1013	1013	1015	1015	1119	1119	1064	1064	1050	1050	1015
63:01	63:01	63:01	63:01	63:01	63:06	63:06	63:06	63:06	63:06	63:06	63:06
63	63	63	63	63	63	63	63	63	63	63	63
NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST
1	1	1	1	1	1	1	1	1	1	1	1
S1X	S2X	S2X	S2X	S2X	S1X	S1X	S1X	S1X	S1X	S1X	S2X
1	2	2	2	2	1	1	1	1	1	1	2
CD-R Cal.	Al. Cal.	CD-R Cal.	Al. Cal.	CD-R Cal.	Al. Cal.	CD-R Cal.	Al. Cal.	CD-R Cal.	Al. Cal.	CD-R Cal.	Al. Cal.
3	3	3	3	3	4	4	4	4	4	4	4
24	25	26	27	28	29	30	31	32	33	34	35
44.9	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.0	44.9	45	45.1
49.6	49.8	49.7	49.8	49.8	49.8	49.7	49.8	49.7	49.7	49.7	49.9
114.9	115.0	115.0	115.0	115.0	115.3	115.3	115.3	115.3	115.3	115.3	115.4
1.38	1.38	1.38	1.39	1.38	1.39	1.39	1.39	1.39	1.39	1.4	1.40
1.62	1.62	1.62	1.60	1.62	1.62	1.62	1.62	1.62	1.62	1.61	1.60
16	13	14	16	13	12	16	14	9	11	11	9
0.074	0.070	0.071	0.070	0.069	0.096	0.097	0.094	0.096	0.095	0.092	0.091
0.079	0.081	0.082	0.074	0.074	0.114	0.112	0.105	0.108	0.110	0.110	0.103
0.078	0.073	0.075	0.072	0.072	0.104	0.105	0.101	0.104	0.104	0.101	0.099
21	25	24	25	24	23	23	23	23	22	22	24
23	27	29	26	28	25	25	25	25	26	25	27
22	26	26	25	26	24	24	24	24	23	23	25
0.09	0.10	0.09	0.11	0.10	0.12	0.10	0.13	0.11	0.11	0.11	0.11
0.24	0.26	0.26	0.28	0.28	0.33	0.30	0.33	0.32	0.28	0.29	0.30
0.14	0.15	0.15	0.16	0.15	0.18	0.18	0.19	0.18	0.16	0.17	0.17
-0.4	-0.4	-0.4	-0.3	-0.4	-0.2	-0.2	-0.3	-0.2	-0.2	-0.3	-0.3
0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 10 00	00 10 00	00 19 00	00 19 00	01 31 00	03 16 00	07 05 00	22 26 00	24 15 00	36 42 00	00 03 00
0.05	0.17	0.17	0.32	0.32	1.52	3.27	7.08	22.43	24.25	36.70	0.05
21	25	23	17	19	31	26	27	30	99	99	16
05 23 00	04 13 00	04 13 00	00 13 00	07 39 00	20 04 00	10 41 00	11 29 00	11 29 00	21 30 00	21 30 00	09 59 00
5.38	4.22	4.22	0.22	7.65	20.07	10.68	11.48	11.48	21.50	21.50	9.98
1	0	0	0	0	5	5	7	7	15	15	1
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 10 00	00 10 00	00 19 00	00 19 00	01 31 00	03 16 00	07 05 00	22 26 00	24 15 00	35 01 00	00 03 00
0.05	0.17	0.17	0.32	0.32	1.52	3.27	7.08	22.43	24.25	35.02	0.05
18	15	15	13	13	29	22	26	28	49	55	14
05 01 00	04 22 00	04 22 00	00 13 00	00 25 00	20 04 00	10 41 00	16 01 00	15 17 00	21 19 00	21 15 00	45 35 00
5.02	4.37	4.37	0.22	0.42	20.07	10.68	16.02	15.28	21.32	21.25	45.58
0	0	0	0	0	5	5	6	7	11	11	1
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 05 00	00 05 00	00 04 00	00 04 00	00 04 00	00 04 00	00 03 00	00 03 00	00 09 00	00 14 00	00 03 00
0.05	0.08	0.08	0.07	0.07	0.07	0.07	0.05	0.05	0.15	0.23	0.05
8	7	7	7	8	7	6	7	8	19	20	5
13 27 00	48 54 00	48 54 00	41 47 00	41 47 00	00 03 00	19 28 00	47 11 00	47 11 00	21 31 00	21 32 00	09 57 00
13.45	48.90	48.90	41.78	41.78	0.05	19.47	47.18	47.18	21.52	21.53	9.95
0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 05 00	00 05 00	00 04 00	00 04 00	00 04 00	00 03 00	00 03 00	00 14 00	00 15 00	00 03 00
0.05	0.05	0.08	0.08	0.07	0.07	0.07	0.05	0.05	0.23	0.25	0.05
21	18	19	10	12	18	17	17	14	57	61	14
05 23 00	04 13 00	04 14 00	02 42 00	02 42 00	25 37 00	25 37 00	00 17 00	00 17 00	21 33 00	21 33 00	09 58 00
5.38	4.22	4.23	2.70	2.70	25.62	25.62	0.28	0.28	21.55	21.55	9.97
0	0	0	0	0	0	0	0	0	2	2	0
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 05 00	00 05 00	00 04 00	00 04 00	00 04 00	00 03 00	00 03 00	00 14 00	00 15 00	00 03 00
0.05	0.05	0.08	0.08	0.07	0.07	0.07	0.05	0.05	0.23	0.25	0.05
247	208	236	95	151	222	207	172	153	383	464	101
05 23 00	04 14 00	04 14 00	02 42 00	02 42 00	25 37 00	25 41 00	52 59 00	52 57 00	21 20 00	21 21 00	38 03 00
5.38	4.23	4.23	2.70	2.70	25.62	25.68	52.98	52.95	21.33	21.35	38.05
1	1	1	0	0	2	2	1	1	19	19	0
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 05 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
7	0	114	9	0	0	0	0	0	112	129	0
07 45 00	00 00 00	00 03 00	07 39 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	21 33 00	21 33 00	00 00 00
7.75	0.00	0.05	7.65	0.00	0.00	0.00	0.00	0.00	21.55	21.55	0.00
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 05 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0	0	1069	0	0	0	0	0	0	37	46	0
00 00 00	00 00 00	00 03 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	21 33 00	21 33 00	00 00 00
0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	21.55	21.55	0.00
0	0	0	0	0	0	0	0	0	0	0	0
0.45	0.46	0.46	0.47	0.46	0.46	0.46	0.45	0.45	0.46	0.46	0.48
30 17 00	20 52 00	62 45 00	19 24 00	18 42 00	14 09 00	09 22 00	17 41 00	15 18 00	17 11 00	16 46 00	15 52 00
30.28	20.87	62.75	19.40	18.70	14.15	9.37	17.68	15.30	17.18	16.77	15.87
0.50	0.50	0.50	0.51	0.50	0.52	0.51	0.51	0.51	0.52	0.53	0.53
43 00 00	45 35 00	63 01 00	63 01 00	63 01 00	61 52 00	60 22 00	46 07 00	30 28 00	46 30 00	63 06 00	63 06 00
43.00	45.58	63.02	63.02	63.02	61.87	60.37	46.12	30.47	46.50	63.10	63.10
0.48	0.48	0.48	0.49	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.50
0.69	0.72	0.73	0.75	0.74	0.67	0.67	0.66	0.67	0.68	0.67	0.71
24 34 00	25 32 00	29 19 00	30 07 00	25 28 00	17 41 00	15 02 00	16 36 00	17 33 00	16 17 00	16 17 00	16 34 00
24.57	25.53	29.32	30.12	25.47	17.68	15.03	16.60	17.55	16.28	16.28	16.57
0.75	0.77	0.78	0.80	0.79	0.74	0.74	0.74	0.74	0.74	0.73	0.77
53 16 00	02 11 00	53 17 00	50 47 00	51 18 00	01 49 00	00 06 00	24 35 00	02 06 00	01 11 00	01 21 00	00 51 00
53.27	2.18	53.28	50.78	51.30	1.82	0.10	24.58	2.10	1.18	1.35	0.85
0.72	0.75	0.76	0.77	0.77	0.71	0.71	0.71	0.71	0.72	0.71	0.75
0.50	0.50	0.50	0.51	0.50	0.46	0.47	0.46	0.45	0.47	0.48	0.48
61 20 00	61 03 00	02 43 00	51 28 00	00 24 00	14 09 00	13 06 00	10 35 00	15 13 00	17 02 00	09 52 00	15 41 00
61.33	61.05	2.72	51.47	0.40	14.15	13.10	10.58	15.22	17.03	9.87	15.68
0.55	0.55	0.57	0.56	0.55	0.54	0.54	0.53	0.53	0.54	0.54	0.54
27 36 00	03 54 00	47 25 00	34 16 00	49 43 00	58 05 00	51 48 00	49 44 00	57 33 00	61 16 00	63 06 00	55 20 00
27.60	3.90	47.42	34.27	49.72	58.08	51.80	49.73	57.55	61.27	63.10	55.33
0.53	0.53	0.53	0.53	0.53	0.50	0.50	0.50	0.50	0.51	0.51	0.51
0.77	0.79	0.80	0.80	0.81	0.68	0.68	0.67	0.66	0.69	0.68	0.71



02 03 00	61 03 00	02 43 00	51 28 00	53 40 00	12 30 00	15 59 00	10 35 00	15 13 00	12 49 00	12 28 00	12 10 00
2.05	61.05	2.72	51.47	53.67	12.50	15.98	10.58	15.22	12.82	12.47	12.17
0.84	0.87	0.88	0.88	0.86	0.76	0.77	0.76	0.76	0.77	0.76	0.80
27 36 00	49 16 00	47 25 00	34 16 00	11 34 00	58 05 00	53 06 00	49 44 00	52 45 00	35 43 00	45 20 00	55 20 00
27.60	49.27	47.42	34.27	11.57	58.08	53.10	49.73	52.75	35.72	45.33	55.33
0.80	0.83	0.84	0.84	0.84	0.73	0.73	0.72	0.73	0.74	0.73	0.76
62	63	63	63	65	68	69	68	69	69	68	68
27 36 00	26 59 00	47 25 00	34 16 00	27 30 00	60 46 00	38 44 00	49 44 00	55 38 00	35 43 00	62 37 00	55 20 00
27.60	26.98	47.42	34.27	27.50	60.77	38.73	49.73	55.63	35.72	62.62	55.33
68	68	69	70	71	74	75	75	75	75	74	75
02 03 00	37 35 00	53 23 00	51 28 00	53 40 00	05 20 00	22 25 00	25 35 00	06 12 00	06 25 00	10 33 00	25 04 00
2.05	37.58	53.38	51.47	53.67	5.33	22.42	25.58	6.20	6.42	10.55	25.07
65	65	66	67	67	71	71	71	72	71	71	71
-1	-2	-2	-1	-1	-1	0	0	0	-1	-1	-3
03 59 00	00 25 00	01 30 00	01 09 00	01 09 00	04 55 00	06 52 00	17 57 00	17 38 00	18 50 00	15 07 00	07 02 00
3.98	0.42	1.50	1.15	1.15	4.92	6.87	17.95	17.63	18.83	15.12	7.03
-8	-7	-7	-7	-7	-9	-9	-7	-7	-8	-8	-7
62 04 00	62 54 00	62 54 00	62 54 00	62 54 00	58 34 00	56 38 00	54 16 00	54 16 00	53 53 00	53 53 00	62 53 00
62.07	62.90	62.90	62.90	62.90	58.57	56.63	54.27	54.27	53.88	53.88	62.88
-5	-5	-5	-5	-5	-5	-5	-4	-4	-5	-5	-5
0	0	0	0	0	0	0	0	0	0	0	0
00 04 00	00 04 00	00 04 00	00 05 00	00 04 00	00 04 00	00 04 00	00 03 00	00 03 00	00 14 00	00 15 00	00 03 00
0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.05	0.05	0.23	0.25	0.05
5	5	3	3	3	4	3	4	4	6	6	3
00 03 00	00 03 00	02 43 00	00 04 00	13 23 00	25 38 00	00 03 00	52 03 00	52 03 00	21 31 00	21 27 00	09 59 00
0.05	0.05	2.72	0.07	13.38	25.63	0.05	52.05	52.05	21.52	21.45	9.98
0	0	0	0	0	0	0	0	0	0	0	0
14	7	6	5	7	12	12	10	8	14	10	5
06 36 00	03 06 00	18 32 00	10 48 03	20 20 00	51 52 00	51 05 00	00 37 03	37 46 03	23 50 03	03 44 03	53 29 00
6.60	3.10	18.53	10.80	20.33	51.87	51.08	0.62	37.77	23.83	3.73	53.48
51	31	31	32	31	31	29	28	30	34	37	11
53 25 00	54 12 00	54 13 00	54 13 00	54 15 00	14 12 00	13 17 00	12 58 00	12 40 00	11 21 00	42 48 00	05 54 00
53.42	54.20	54.22	54.22	54.25	14.20	13.28	12.97	12.67	11.35	42.80	5.90
27	13	13	13	13	19	19	21	21	23	26	8
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1259	0	0	0	0	0	0	86	84	0

1015	1001	1001	1118	1118	1159	1159	1161	1161	1095	1095	1142
63:06	63:06	63:06	63:06	63:06	63:01	63:01	63:01	63:01	63:01	63:01	63:01
63	63	63	63	63	63	63	63	63	63	63	63
NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST
1	1	1	1	1	1	1	1	1	1	1	1
S2X	S2X	S2X	S2X	S2X	S1X	S1X	S1X	S1X	S1X	S1X	S2X
2	2	2	2	2	1	1	1	1	1	1	2
CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.
4	4	4	4	4	5	5	5	5	5	5	5
36	37	38	39	40	41	42	43	44	45	46	47
45.1	45.2	45.1	45	44.9	45.2	45.1	45.1	45.1	45	45	45.1
49.9	49.9	49.8	49.9	49.9	49.6	49.6	49.6	49.6	49.6	49.6	49.8
115.4	115.3	115.4	115.4	115.4	114.6	114.6	114.6	114.6	114.6	114.6	114.7
1.39	1.40	1.39	1.39	1.4	1.39	1.39	1.37	1.38	1.36	1.39	1.39
1.62	1.60	1.62	1.62	1.61	1.60	1.60	1.62	1.61	1.63	1.6	1.60
12	8	12	14	17	14	18	13	12	14	18	13
0.091	0.091	0.090	0.094	0.092	0.065	0.066	0.065	0.065	0.067	0.066	0.067
0.105	0.104	0.102	0.107	0.104	0.071	0.073	0.071	0.071	0.072	0.072	0.071
0.099	0.099	0.098	0.102	0.100	0.069	0.070	0.068	0.068	0.070	0.069	0.069
23	23	23	23	23	21	21	22	22	21	21	24
28	28	27	26	26	24	24	26	25	24	24	27
25	25	25	24	24	22	22	23	23	22	22	25
0.10	0.10	0.10	0.11	0.09	0.10	0.11	0.10	0.10	0.09	0.11	0.10
0.30	0.33	0.31	0.27	0.26	0.29	0.27	0.30	0.29	0.27	0.23	0.31
0.17	0.18	0.17	0.16	0.15	0.17	0.16	0.17	0.17	0.15	0.14	0.17
-0.2	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.2	-0.2
0.0	0.0	0.0	0.0	0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1
-0.1	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.2	-0.1	-0.2
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 04 00	00 04 00	00 05 00	00 05 00	02 36 00	04 11 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.07	0.07	0.08	0.08	2.60	4.18	0.05	0.05	0.05
17	29	30	29	32	49	44	168	175	55	52	57
09 59 00	19 05 00	19 05 00	16 06 00	16 06 00	48 12 00	59 20 00	62 52 00	62 42 00	59 19 00	50 59 00	22 40 00
9.98	19.08	19.08	16.10	16.10	48.20	59.33	62.87	62.70	59.32	50.98	22.67
1	1	1	4	4	15	12	43	40	11	10	10
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 04 00	00 04 00	00 05 00	00 05 00	02 36 00	04 11 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.07	0.07	0.08	0.08	2.60	4.18	0.05	0.05	0.05
13	14	14	24	21	46	42	138	146	49	47	54
45 35 00	00 11 00	00 11 00	26 00 00	09 35 00	50 58 00	42 36 00	62 46 00	51 00 00	59 19 00	50 59 00	22 40 00
45.58	0.18	0.18	26.00	9.58	50.97	42.60	62.77	51.00	59.32	50.98	22.67
1	1	1	3	3	13	11	37	35	10	9	10
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
5	10	12	10	9	7	7	18	22	9	7	6
38 53 00	05 33 00	05 33 00	03 29 00	07 21 00	43 57 00	14 19 00	55 52 00	62 52 00	60 20 00	60 20 00	21 45 00
38.88	5.55	5.55	3.48	7.35	43.95	14.32	55.87	62.87	60.33	60.33	21.75
0	0	0	0	0	0	0	2	2	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
13	19	17	18	17	14	13	36	46	15	15	10
09 58 00	19 05 00	19 05 00	09 10 00	09 10 00	51 52 00	51 52 00	60 33 00	54 04 00	16 13 00	16 13 00	41 31 00
9.97	19.08	19.08	9.17	9.17	51.87	51.87	60.55	54.07	16.22	16.22	41.52
0	0	0	0	0	1	1	3	3	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
115	235	227	203	183	129	111	292	443	129	156	94
09 59 00	19 05 00	19 05 00	09 10 00	09 10 00	51 56 00	12 04 00	60 15 00	60 15 00	16 07 00	16 10 00	30 27 00
9.98	19.08	19.08	9.17	9.17	51.93	12.07	60.25	60.25	16.12	16.17	30.45
0	1	1	3	3	10	8	30	28	7	7	3
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0	0	0	11	10	12	7	23	22	7	4	0
00 00 00	00 00 00	00 00 00	08 09 00	08 09 00	58 25 00	58 41 00	61 08 00	44 07 00	47 51 00	62 06 00	00 00 00
0.00	0.00	0.00	8.15	8.15	58.42	58.68	61.13	44.12	47.85	62.10	0.00
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0	0	0	0	0	0	0	2	3	0	0	0
00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	40 55 00	53 12 00	00 00 00	00 00 00	00 00 00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.92	53.20	0.00	0.00	0.00
0	0	0	0	0	0	0	0	0	0	0	0
0.47	0.47	0.46	0.47	0.48	0.48	0.48	0.46	0.45	0.47	0.48	0.49
16 12 00	16 19 00	16 19 00	18 01 00	16 28 00	41 59 00	00 11 00	62 45 00	62 51 00	00 17 00	02 31 00	61 54 00
16.20	16.32	16.32	18.02	16.47	41.98	0.18	62.75	62.85	0.28	2.52	61.90
0.52	0.52	0.51	0.53	0.52	0.55	0.56	0.55	0.54	0.55	0.55	0.54
63 06 00	63 06 00	23 06 00	63 06 00	63 06 00	63 01 00	63 01 00	63 01 00	63 00 00	63 01 00	63 01 00	63 00 00
63.10	63.10	23.10	63.10	63.10	63.02	63.02	63.02	63.00	63.02	63.02	63.00
0.50	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.51
0.71	0.69	0.69	0.71	0.71	0.69	0.69	0.69	0.68	0.68	0.68	0.72
16 19 00	16 35 00	16 19 00	16 38 00	16 49 00	00 47 00	00 32 00	00 29 00	00 33 00	01 11 00	00 39 00	00 51 00
16.32	16.58	16.32	16.63	16.82	0.78	0.53	0.48	0.55	1.18	0.65	0.85
0.77	0.77	0.76	0.77	0.76	0.74	0.75	0.76	0.76	0.76	0.76	0.78
01 57 00	02 46 00	00 40 00	22 56 00	24 33 00	63 01 00	63 01 00	62 48 00	57 09 00	63 00 00	63 00 00	25 35 00
1.95	2.77	0.67	22.93	24.55	63.02	63.02	62.80	57.15	63.00	63.00	25.58
0.75	0.74	0.73	0.75	0.75	0.72	0.73	0.73	0.73	0.73	0.72	0.76
0.48	0.48	0.48	0.49	0.49	0.51	0.51	0.51	0.50	0.50	0.50	0.53
13 40 00	16 19 00	16 19 00	07 17 00	24 20 00	27 41 00	26 49 00	49 07 00	61 58 00	08 20 00	08 22 00	29 44 00
13.67	16.32	16.32	7.28	24.33	27.68	26.82	49.12	61.97	8.33	8.37	29.73
0.54	0.54	0.54	0.55	0.55	0.58	0.60	0.60	0.59	0.60	0.60	0.57
63 06 00	63 06 00	62 47 00	63 06 00	46 26 00	63 01 00	63 01 00	63 01 00	63 01 00	63 01 00	63 01 00	63 01 00
63.10	63.10	62.78	63.10	46.43	63.02	63.02	63.02	63.02	63.02	63.02	63.02
0.51	0.51	0.51	0.51	0.52	0.54	0.54	0.54	0.53	0.53	0.54	0.55
0.72	0.71	0.72	0.74	0.72	0.73	0.74	0.73	0.73	0.73	0.72	0.77

14 11 00	16 19 00	16 19 00	17 44 00	14 59 00	27 41 00	01 13 00	14 48 00	16 29 00	08 20 00	08 22 00	07 09 00
14.18	16.32	16.32	17.73	14.98	27.68	1.22	14.80	16.48	8.33	8.37	7.15
0.81	0.79	0.79	0.81	0.82	0.83	0.82	0.83	0.84	0.84	0.82	0.86
50 28 00	44 18 00	22 34 00	38 12 00	46 26 00	59 56 00	59 05 00	62 41 00	61 27 00	59 36 00	63 01 00	38 18 00
50.47	44.30	22.57	38.20	46.43	59.93	59.08	62.68	61.45	59.60	63.02	38.30
0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.77	0.77	0.81
68	68	68	68	67	65	66	65	65	66	66	65
50 28 00	11 59 00	47 24 00	38 12 00	50 55 00	59 56 00	62 32 00	62 53 00	62 53 00	59 36 00	62 29 00	38 18 00
50.47	11.98	47.40	38.20	50.92	59.93	62.53	62.88	62.88	59.60	62.48	38.30
75	73	74	74	74	71	71	71	72	72	70	71
13 54 00	05 45 00	11 16 00	21 32 00	24 20 00	27 41 00	59 03 00	14 48 00	16 29 00	44 10 00	19 35 00	29 44 00
13.90	5.75	11.27	21.53	24.33	27.68	59.05	14.80	16.48	44.17	19.58	29.73
72	70	71	71	70	68	69	68	68	69	68	68
-3	-3	-3	-1	-1	-4	-4	-3	-3	-3	-3	-4
16 50 00	46 23 00	46 23 00	23 18 00	18 07 00	01 16 00	01 16 00	00 15 00	00 15 00	02 29 00	00 55 00	00 52 00
16.83	46.38	46.38	23.30	18.12	1.27	1.27	0.25	0.25	2.48	0.92	0.87
-7	-7	-7	-6	-6	-12	-12	-18	-18	-13	-13	-10
62 01 00	62 53 00	12 20 00	30 27 00	33 36 00	61 23 00	59 14 00	62 45 00	62 41 00	60 45 00	61 10 00	22 25 00
62.02	62.88	12.33	30.45	33.60	61.38	59.23	62.75	62.68	60.75	61.17	22.42
-5	-5	-5	-4	-4	-9	-9	-11	-11	-8	-8	-8
0	0	0	0	0	0	0	0	0	0	0	0
00 04 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
5	3	3	3	3	5	5	4	5	5	4	3
00 03 00	09 52 00	09 53 00	02 00 00	02 17 00	00 16 00	00 45 00	38 14 00	45 47 00	00 15 00	26 44 00	35 03 00
0.05	9.87	9.88	2.00	2.28	0.27	0.75	38.23	45.78	0.25	26.73	35.05
0	0	0	0	0	0	0	1	1	0	0	0
5	6	6	5	6	6	7	4	4	6	7	4
31 52 00	59 52 00	51 41 00	05 12 03	32 34 00	36 11 03	11 00 03	30 29 03	53 44 04	14 17 00	16 44 00	58 52 00
31.87	59.87	51.68	5.20	32.57	36.18	11.00	30.48	53.73	14.28	16.73	58.87
12	13	12	14	13	35	34	27	25	25	26	22
05 50 00	15 31 00	03 28 00	41 38 00	05 41 00	10 07 00	10 24 00	10 07 00	10 03 00	41 37 00	10 01 00	41 32 00
5.83	15.52	3.47	41.63	5.68	10.12	10.40	10.12	10.05	41.62	10.02	41.53
7	8	8	9	9	18	17	11	11	12	12	7
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	4	4	0	0	0

1142	1086	1086	1077	1077	2130	2130	2132	2132	2133	2133	
63:01	63:01	63:01	63:01	63:01	63:06	63:06	63:06	63:06	63:06	63:06	
63	63	63	63	63	63	63	63	63	63	63	
NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	NIST	MIST	NIST	
1	1	1	1	1	1	1	1	1	1	1	
S2X	S2X	S2X	S2X	S2X	S1X	S1X	S2X	S2X	S2X	S2X	
2	2	2	2	2	1	1	2	2	2	2	
CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	Al. Cal.	CD-R Cal	
5	5	5	5	5	6	6	6	6	6	6	
48	49	50	51	52	53	54	55	56	57	58	
45.1	45.2	45.1	44.9	44.9	45.1	45.2	44.9	45	45.1	45.1	
49.7	49.7	49.8	49.7	49.8	49.5	49.5	49.6	49.6	49.7	49.7	
114.7	114.7	114.7	114.7	114.7	113.9	113.9	114	114	114.0	114.0	
1.38	1.38	1.37	1.38	1.38	1.38	1.38	1.36	1.38	1.37	1.37	
1.61	1.61	1.62	1.61	1.61	1.59	1.59	1.6	1.59	1.59	1.59	
18	23	21	18	15	13	19	14	20	20	17	
0.067	0.067	0.066	0.067	0.065	0.075	0.075	0.071	0.069	0.070	0.070	
0.073	0.072	0.071	0.073	0.071	0.079	0.079	0.093	0.084	0.077	0.078	
0.070	0.070	0.069	0.070	0.068	0.078	0.077	0.076	0.074	0.075	0.075	
24	24	23	24	24	21	21	19	19	20	20	
27	27	27	27	28	23	23	22	23	23	23	
25	25	25	25	25	22	22	21	21	21	21	
0.10	0.11	0.10	0.10	0.09	0.11	0.12	0.11	0.10	0.11	0.11	
0.26	0.28	0.29	0.26	0.27	0.29	0.27	0.27	0.28	0.31	0.28	
0.15	0.16	0.16	0.15	0.16	0.17	0.16	0.16	0.16	0.17	0.16	
-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.4	-0.3	-0.2	
0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	
0	0	0	0	0	1	1	0	0	0	0	
00 28 00	00 08 00	00 08 00	00 31 00	00 31 00	02 56 00	00 25 00	00 06 00	00 05 00	00 03 00	00 03 00	
0.47	0.13	0.13	0.52	0.52	2.93	0.42	0.10	0.08	0.05	0.05	
53	81	93	63	66	3899	3801	67	66	39	38	
24 31 00	28 48 00	24 50 00	30 26 00	35 01 00	62 07 00	61 56 00	13 51 00	13 51 00	26 42 00	26 42 00	
24.52	28.80	24.83	30.43	35.02	62.12	61.93	13.85	13.85	26.70	26.70	
10	20	21	15	16	723	690	5	5	7	5	
0	0	0	0	0	1	1	0	0	0	0	
00 28 00	00 08 00	00 08 00	00 28 00	00 28 00	00 07 00	00 25 00	00 06 00	00 05 00	00 03 00	00 03 00	
0.47	0.13	0.13	0.47	0.47	0.12	0.42	0.10	0.08	0.05	0.05	
53	74	89	59	59	1626	1587	24	20	27	24	
24 31 00	21 07 00	24 50 00	30 26 00	35 01 00	60 41 00	60 41 07	50 53 00	42 36 00	48 12 00	16 20 00	
24.52	21.12	24.83	30.43	35.02	60.68	60.68	50.88	42.60	48.20	16.33	
9	18	19	14	15	435	413	4	4	6	5	
0	0	0	0	0	0	0	0	0	0	0	
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 05 00	00 05 00	00 03 00	00 03 00	
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.05	0.05	
5	9	9	8	8	864	845	9	9	9	9	
13 09 00	41 32 00	41 32 00	31 06 00	31 35 00	62 03 00	62 03 00	13 50 01	13 50 01	26 42 00	24 34 00	
13.15	41.53	41.53	31.10	31.58	62.05	62.05	13.83	13.83	26.70	24.57	
0	0	0	0	0	117	111	0	0	0	0	

0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 05 00	00 05 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.08	0.08	0.05	0.05
10	11	12	14	18	1477	1518	52	48	24	19
47 45 00	41 32 00	34 58 00	33 35 00	33 35 00	62 14 00	61 55 00	13 51 00	13 51 00	26 42 00	26 42 00
47.75	41.53	34.97	33.58	33.58	62.23	61.92	13.85	13.85	26.70	26.70
0	0	0	0	0	170	165	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 05 00	00 05 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.08	0.08	0.05	0.05
79	115	92	119	155	2207	2135	612	649	258	257
50 29 00	29 08 00	21 50 00	33 35 00	33 35 00	60 17 00	60 39 00	13 20 00	13 57 00	26 39 00	26 31 00
50.48	29.13	21.83	33.58	33.58	60.28	60.65	13.33	13.95	26.65	26.52
3	5	6	5	5	643	612	14	14	6	4
0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
8	4	20	19	10	1128	1010	216	206	10	7
28 44 00	30 54 00	25 27 00	33 15 00	30 50 00	62 10 72	62 34 00	13 47 00	13 47 00	19 21 00	56 41 00
28.73	30.90	25.45	33.25	30.83	62.17	62.57	13.78	13.78	19.35	56.68
0	0	0	0	0	128	122	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0
00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00	00 03 00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0	0	0	0	0	2285	2342	0	0	0	0
00 00 00	00 00 00	00 00 00	00 00 00	00 00 00	62 05 00	61 55 00	00 00 00	00 00 00	00 00 00	00 00 00
0.00	0.00	0.00	0.00	0.00	62.08	61.92	0.00	0.00	0.00	0.00
0	0	0	0	0	158	158	0	0	0	0
0.49	0.49	0.48	0.49	0.49	0.44	0.43	0.44	0.44	0.43	0.44
61 54 00	62 54 00	62 54 00	61 23 00	62 20 00	63 03 00	62 40 00	61 41 00	59 34 00	62 13 00	62 13 00
61.90	62.90	62.90	61.38	62.33	63.05	62.67	61.68	59.57	62.22	62.22
0.53	0.54	0.53	0.54	0.54	0.50	0.49	0.51	0.51	0.51	0.51
63 00 00	63 01 00	63 01 00	63 01 00	63 01 00	26 24 00	26 04 00	03 57 00	05 46 00	06 01 00	06 09 00
63.00	63.02	63.02	63.02	63.02	26.40	26.07	3.95	5.77	6.02	6.15
0.51	0.51	0.51	0.51	0.51	0.47	0.47	0.48	0.48	0.48	0.48
0.73	0.73	0.73	0.74	0.73	0.60	0.61	0.66	0.66	0.65	0.66
00 52 00	00 19 00	01 21 00	02 14 00	02 14 00	00 19 00	00 07 00	62 57 00	61 48 00	62 26 00	63 03 00
0.87	0.32	1.35	2.23	2.23	0.32	0.12	62.95	61.80	62.43	63.05
0.79	0.79	0.78	0.80	0.79	0.69	0.69	0.72	0.71	0.71	0.71
23 32 00	21 34 00	24 04 00	36 23 00	33 51 00	60 06 05	63 06 00	04 55 00	04 07 00	05 47 00	06 53 00
23.53	21.57	24.07	36.38	33.85	60.10	63.10	4.92	4.12	5.78	6.88
0.77	0.76	0.76	0.77	0.76	0.66	0.66	0.70	0.69	0.68	0.69
0.52	0.52	0.52	0.53	0.53	0.44	0.44	0.44	0.44	0.44	0.44
61 54 00	01 56 00	57 40 00	32 02 00	09 07 00	62 52 03	54 37 07	59 34 00	59 34 00	62 13 00	61 31 00
61.90	1.93	57.67	32.03	9.12	62.87	54.62	59.57	59.57	62.22	61.52
0.57	0.58	0.57	0.57	0.58	0.50	0.50	0.51	0.52	0.52	0.51
63 01 00	35 14 00	63 01 00	63 01 00	63 01 00	23 33 00	29 59 00	00 16 00	02 29 00	06 01 00	06 01 00
63.02	35.23	63.02	63.02	63.02	23.55	29.98	0.27	2.48	6.02	6.02
0.55	0.55	0.54	0.55	0.55	0.47	0.47	0.48	0.48	0.48	0.48
0.78	0.77	0.78	0.78	0.78	0.61	0.62	0.66	0.66	0.66	0.65

06 50 00	01 56 00	00 13 00	07 30 00	13 47 00	00 55 00	05 25 00	62 57 00	59 34 00	57 15 00	28 38 00	
6.83	1.93	0.22	7.50	13.78	0.92	5.42	62.95	59.57	57.25	28.63	
0.86	0.86	0.85	0.86	0.85	0.70	0.71	0.72	0.73	0.73	0.72	
24 00 00	35 14 00	35 01 00	25 31 00	30 43 00	58 15 00	61 31 00	00 33 00	01 50 00	01 58 00	08 29 00	
24.00	35.23	35.02	25.52	30.72	58.25	61.52	0.55	1.83	1.97	8.48	
0.82	0.82	0.82	0.83	0.82	0.66	0.67	0.69	0.69	0.68	0.69	
66	66	65	67	65	70	70	71	70	70	70	
24 00 00	58 06 00	55 01 00	35 18 00	60 38 00	58 15 00	61 36 00	00 39 00	01 50 00	01 58 00	51 45 00	
24.00	58.10	55.02	35.30	60.63	58.25	61.60	0.65	1.83	1.97	51.75	
71	70	70	71	70	75	77	76	75	75	76	
06 50 00	28 57 00	23 31 00	32 02 00	34 34 00	55 50 00	24 02 00	19 14 00	23 24 00	17 56 00	21 19 00	
6.83	28.95	23.52	32.03	34.57	55.83	24.03	19.23	23.40	17.93	21.32	
68	68	68	68	68	72	73	73	73	73	73	
-3	-4	-4	-4	-4	-6	-6	-1	-1	-1	-1	
00 52 00	00 19 00	02 14 00	02 21 00	02 21 00	00 19 00	02 06 00	62 09 00	62 02 00	62 26 00	62 26 00	
0.87	0.32	2.23	2.35	2.35	0.32	2.10	62.15	62.03	62.43	62.43	
-10	-11	-11	-10	-11	-20	-19	-5	-5	-6	-7	
22 25 00	22 35 00	19 41 00	22 33 00	23 01 00	62 43 00	62 38 00	02 39 00	01 51 00	05 41 00	06 24 00	
22.42	22.58	19.68	22.55	23.02	62.72	62.63	2.65	1.85	5.68	6.40	
-8	-8	-8	-8	-8	-13	-13	-3	-3	-3	-3	
0	0	0	0	0	0	0	0	0	0	0	
00 03 00	00 04 00	00 03 00	00 03 00	00 03 00	00 03 00	00 04 00	00 05 00	00 05 00	00 03 00	00 03 00	
0.05	0.07	0.05	0.05	0.05	0.05	0.07	0.08	0.08	0.05	0.05	
3	5	5	3	3	32	42	9	8	5	7	
05 59 00	00 03 00	00 15 00	11 58 00	31 50 00	62 13 00	62 43 00	13 51 00	13 21 00	19 22 00	56 41 00	
5.98	0.05	0.25	11.97	31.83	62.22	62.72	13.85	13.35	19.37	56.68	
0	0	0	0	0	4	4	0	0	0	0	
3	4	4	4	4	5	4	5	5	5	6	
54 04 03	55 23 00	23 07 00	61 14 00	58 29 00	50 27 02	24 21 03	33 12 00	13 24 03	25 47 00	27 33 00	
54.07	55.38	23.12	61.23	58.48	50.45	24.35	33.20	13.40	25.78	27.55	
21	22	21	21	22	25	27	24	25	24	24	
41 32 00	41 32 00	41 30 00	41 31 00	41 32 00	60 52 08	56 43 00	56 38 00	56 38 00	56 38 00	56 38 00	
41.53	41.53	41.50	41.52	41.53	60.87	56.72	56.63	56.63	56.63	56.63	
7	6	7	6	6	15	15	8	7	8	8	
0	0	0	0	0	5381	5702	58	55	0	1	
0	0	0	0	0	589899	589551	0	0	0	0	