

Appendix 5. List of location of Reftek station data on archival tapes

Station Name	DA S No.	Tape Name	File No.	Comments	Tape Name	File No.	Comments	Tape Name	File No.	Comments
1002	6095	USGS DLT1A	1-11	Ch. 1	USGS DLT1B	1-11	Ch. 1	USGS DAT1	1-11	Ch. 1
1004	7278	copy of	12-22	All zero files		12-22	All zero files		12-22	All zero files
1004	7278	USGS DLT1B	23-33	Ch. 3		23-33	Ch. 3		23-33	Ch. 3
1005	7447		34-44	Ch. 1		34-44	Ch. 1	USGS DAT2	1-11	Ch. 1
1006	6035		45-55	Ch. 1		45-55	Ch. 1		12-22	Ch. 1
1007	7111		56-66	Ch. 1		56-66	zerofiles 60-66, no lines 5-11		23-33	zerofiles 26-33, no lines 5-11
1007	6097		67-77	Ch. 1		67-77	All zero files		34-44	All zero files
1008	550		78-88	All zero files		78-88	All zero files	USGS DAT3	1-11	All zero files
1008	550		89-99	All zero files		89-99	All zero files		12-22	All zero files
1008	550		100-110	All zero files		100-110	All zero files		23-33	All zero files
1008	550		111-121	All zero files		111-121	All zero files		34-44	All zero files
1008	550		122-132	All zero files		122-132	All zero files		45-55	All zero files
1009	6062		133-143	All zero files		133-143	All zero files	USGS DAT4	1-11	All zero files
1010	7059		144-154	Ch. 1		144-154	zerofiles 149-154, no lines 6-11		11-22	zerofiles 17-22 no lines 6-11
1012	6056		155-165	Ch. 1		155-165	zerofiles 155-158, no lines 1-4		23-33	zerofiles 23-26 no lines 1-4
1013	6121		166-176	Ch. 1		166-176	zerofiles 166-169, no lines 1-4		34-44	zerofiles 34-37 no lines 1-4
1014	7298		177-187	Ch. 3		177-187	Ch. 3	USGS DAT5	1-11	Ch. 3
1015	6086		188-198	Ch. 1		188-198	zerofiles 188-191, no lines 1-4	USGS DAT6	1-11	zerofiles 1-4, no lines 1-4
1016	7069		199-209	Ch. 1		199-209	Ch. 1		12-22	Ch. 1
1017	7285		210-220	Ch. 3		210-220	Ch. 3	USGS DAT7	1-11	Ch. 3
1018	7083	USGS DLT2A	1-11	Ch. 1	USGS DLT2B	1-11	zero file 1, no line 1	USGS DAT8	1-11	zero file 1, no line 1
1019	7289		12-22	Ch. 3		12-22	Ch. 3	USGS DAT9	1-11	Ch. 3
1020	7286		23-33	Ch. 3		23-33	Ch. 3	USGS DAT10	1-11	Ch. 3
1021	7357		34-44	zero files 35-44, no lines 2-11		34-44	zero files 35-44, no lines 2-11		12-22	zero files 13-22 no lines 2-11
1021	7357		45-55	Ch. 1		45-55	Use this version		23-33	Use this version
1022	7345		56-66	zero file 56, no line 1		56-66	zero file 56, no line 1		34-44	zero file 34, no line 1
2001	153		67-77	All zero files		67-77	All zero files	USGS DAT11	1-11	All zero files
2002	6032		78-88	Ch. 1		78-88	Ch. 1		12-22	Ch. 1
2003	6021		89-99	Ch. 1		89-99	Ch. 1		23-33	Ch. 1
2004	7593		100-110	All zero files		100-110	All zero files		34-44	All zero files
2005	6047		111-121	Ch. 1		111-121	Ch. 1		45-55	Ch. 1
2006	7300		122-132	Ch. 1		122-132	Ch. 1		56-66	Ch. 1
2007	6122		133-143	Ch. 1		133-143	Ch. 1		67-77	Ch. 1
2008	6093		144-154	Ch. 1		144-154	Ch. 1	USGS DAT12	1-11	Ch. 1
2009	6031		155-165	Ch. 1		155-165	Ch. 1		12-22	Ch. 1
2010	6087		166-176	Ch. 1		166-176	Ch. 1		23-33	Ch. 1

2011	359		177-187	Ch. 4		177-187	Ch. 4		34-44	Ch. 4
2012	149		188-198	Ch. 4		188-198	Ch. 4	USGS DAT13	1-11	Ch. 4
2013	340	USGS DLT3A	1-11	Ch. 4	USGS DLT3B	1-11	Ch. 4	USGS DAT14	1-11	Ch. 4
2014	6071	copy of	12-22	Ch. 1		12-22	Ch. 1		12-22	Ch. 1
3001	6057	USGS DLT3B	23-33	Ch. 1		23-33	Ch. 1		23-33	Ch. 1
3002	529		34-44	zerofile 44, no line 11, Ch. 4		34-44	zerofile 44, no line 11		34-44	zerofile 44, no line 11
3003	6081		45-55	Ch. 1		45-55	Ch. 1	USGS DAT15	1-11	Ch. 1
3004	6125		56-66	Ch. 1		56-66	Ch. 1		12-22	Ch. 1
3005	7044		67-77	Ch. 1		67-77	Ch. 1		23-33	Ch. 1
3006	880		78-88	Ch. 4		78-88	Ch. 4		34-44	Ch. 4
3008	7058		89-99	Ch. 1		89-99	Ch. 1	USGS DAT16	1-11	Ch. 1
3007	7064		100-110	Ch. 1		100-110	Ch. 1		12-22	Ch. 1
3009	348		111-121	Ch. 4		111-121	Ch. 4	USGS DAT17	1-11	Ch. 4
3010	7081		122-132	on DLT3A		122-132	on DLT3A		12-22	on DLT3A
3011	6045		133-143	Ch. 1		133-143	Ch. 1		23-33	Ch. 1
3012	7283		144-154	Ch. 1		144-154	Ch. 1	USGS DAT18	1-11	Ch. 1
3013	7362		155-165	Ch. 1		155-165	Ch. 1	USGS DAT19	1-11	Ch. 1
3014	7597		166-176	Ch. 1		166-176	Ch. 1		12-22	Ch. 1
4001	898		177-187	Ch. 4		177-187	Ch. 4	USGS DAT20	1-11	Ch. 4
4002	7066	USGS DLT4A	1-11	Ch. 1	USGS DLT4B	1-11	Ch. 1		12-22	Ch. 1
4003	7288		12-22	Ch. 1		12-22	Ch. 1		23-33	Ch. 1
4004	6066		23-33	zero files 23-25, no lines 1-3		23-33	zero files 23-25, no lines 1-3	USGS DAT21	1-11	zero files 1-3, no lines 1-3
4006	7112		34-44	zero files 41-44, no lines 8-11		34-44	zero files 41-44, no lines 8-11		12-22	zero files 19-22, no lines 8-11
4007	7282		45-55	Ch. 1		45-55	Ch. 1		23-33	Ch. 1
4008	7063		56-66	Ch. 1		56-66	Ch. 1	USGS DAT22A	1-11	Ch. 1
4009	7110		67-77	Ch. 1		67-77	Ch. 1		12-22	Ch. 1
4010	6020		78-88	Ch. 1		78-88	Ch. 1		23-33	Ch. 1
4011	6108		89-99	Ch. 1		89-99	Ch. 1		34-44	Ch. 1
4013	6085		100-110	zero files 100-102, no line 1-3		100-110	zero files 100-102, no line 1-3	USGS DAT22B	1-11	zerofiles 1-3, no lines 1-3
5001	7107		111-121	zero file 113, missed line 1-5 data		111-121	zero file 113, missed line 1-5 data		12-22	Ch. 1, missed line 1-5 data
5002	895		122-132	Ch. 4		122-132	Ch. 4		23-33	Ch. 1
5003	395		133-143	Ch. 4		133-143	Ch. 4	USGS DAT23	1-11	Ch. 1
5004	6025		144-154	zero files 144-146, missed line 1-5 data		144-154	zero files 144-146, missed line 1-5 data		12-22	Ch. 1, zerofiles 12-14,
5005	7077		155-165	Ch. 1		155-165	Ch. 1	USGS DAT24	1-11	Ch. 1
5001	7107		166-176	Use this gather!		166-176	Use this gather! - ch. 1		12-22	Use this gather! Ch. 1
5004	6025		177-187	Use this gather!		177-187	Use this gather! - Ch. 1		23-33	Use this gather! Ch. 1
5006	7039	USGS DLT5A	1-11	Ch. 1	USGS DLT5B	1-11	Ch. 1	USGS DAT25	1-11	Ch. 1
5007	877		12-22	All zero files		12-22	All zero files		12-22	All zero files
5007	877		23-33	zero files 27-33, no lines 5-11, Ch. 4		23-33	zero files 27-33, no lines 5-11		23-33	zero files 27-33, no lines 5-11
5008	369		34-44	Ch. 4		34-44	Ch. 4		34-44	Ch. 1
5009	656		45-55	All zero files		45-55	All zero files	USGS DAT26	1-11	All zero files
5009	656		56-66	Ch. 4		56-66	Ch. 4		12-22	Ch. 1
6001	7291		67-77	Ch. 1		67-77	Ch. 1		23-33	Ch. 1

6002	6084		78-88	Ch. 1		78-88	Ch. 1		34-44	Ch. 1
6003	6080		89-99	Ch. 1		89-99	Ch. 1		45-55	Ch. 1
6004	7595		100-110	Ch. 1		100-110	Ch. 1	USGS DAT27	1-11	Ch. 1
6005	6051		111-121	Ch. 1		111-121	Ch. 1		12-22	Ch. 1
6006	6098		122-132	Ch. 1		122-132	Ch. 1		23-33	Ch. 1
6007	7448		133-143	Ch. 1		133-143	Ch. 1		34-44	Ch. 1
6008	7444		144-154	Ch. 1		144-154	Ch. 1	USGS DAT28	1-11	Ch. 1
6009	7605		155-165	Ch. 1		155-165	Ch. 1		12-22	Ch. 1
6010	6114		166-176	zero file 166, no line 1		166-176	zero file 166, no line 1		23-33	Ch. 1, zerofile 23, no line 1
6011	7615		177-187	Ch. 1		177-187	Ch. 1	USGS DAT29	1-11	Ch. 1

6012	7594		188-198	Ch. 1		188-198	Ch. 1		12-22	Ch. 1
6013	6019		199-209	Ch. 1		199-209	Ch. 1		23-33	Ch. 1
6014	6067		210-220	Ch. 1		210-220	Ch. 1		34-44	Ch. 1
1004	7278	USGS DLT6A	1-11	Ch. 1	USGS DLT6B	1-11	Ch. 1	USGS DAT30	1-11	Ch. 1
1007	6097		12-22	All Zero files		12-22	All Zero files		12-22	All Zero files
1009	6062		23-33	zero files 23-24, no lines 1-2		23-33	zero files 23-24, no lines 1-2		23-33	zero files 23-24, no lines 1-2
1007	6097		34-44	zero files 34-35, no lines 1-2		34-44	zero files 34-35, no lines 1-2		34-44	zero files 34-35, no lines 1-2
1011	7602		45-55	Ch. 1		45-55	Ch. 1	USGS DAT31	1-11	Ch. 1
1012	6056		56-66	Ch. 1		56-66	Ch. 1		12-22	Ch. 1
1013	6121		67-77	Ch. 1		67-77	Ch. 1		23-33	Ch. 1
1014	7298		78-88	Ch. 1		78-88	Ch. 1		34-44	Ch. 1
1015	6086		89-99	Ch. 1		89-99	Ch. 1	USGS DAT32	1-11	Ch. 1
1017	7285		100-110	Ch. 1		100-110	Ch. 1		12-22	Ch. 1
1019	7289		111-121	Ch. 1		111-121	Ch. 1		23-33	Ch. 1
1020	7286		122-132	Ch. 1		122-132	Ch. 1	USGS DAT33	1-11	Ch. 1
2001	153		133-143	Ch. 4		133-143	Ch. 4		12-22	Ch. 1
2002	6032		144-154	Ch. 1		144-154	Ch. 1		23-33	Ch. 1
2003	6021		155-165	Ch. 1		155-165	Ch. 1		34-44	Ch. 1
2004	7593		166-176	zero files 169, 174-176, no line 4, 9-11		166-176	zero files 169, 174-176, no line 4, 9-11	USGS DAT34	1-11	Ch. 1, zerofiles 4, 9-11, no lines 4, 9-11
2004	6091		177-187	zero files 177-179, 182-187, partial line 5 only		177-187	zero files 177-179, 182-187, partial line 5 only		12-22	Ch. 1, zerofiles 12-14, 17-22,
2004	6088		188-198	zero files 188-192, no lines 1-5		188-198	zero files 188-192, no lines 1-5		23-33	Ch. 1, zerofiles 23-27, no lines 1-5
2005	6047		199-209	Ch. 1		199-209	Ch. 1	USGS DAT35	1-11	Ch. 1
2007	6122		210-220	Ch. 1		210-220	Ch. 1		12-22	Ch. 1
2008	6093		221-231	Ch. 1		221-231	Ch. 1		23-33	Ch. 1
2010	6087		232-242	Ch. 1		232-242	Ch. 1		34-44	Ch. 1
2012	6064		243-253	zero files 243-244, 249-250, no lines 1-2, 7-8		243-253	zero files 243-244, 249-250, no lines 1-2, 7-8		45-55	Ch. 1, zerofiles 45-46, 51-52
3010	7081	USGS DLT7A	1-11	Ch. 1	USGS DLT7B	1-11	Ch. 1	USGS DAT36	1-11	Ch. 1
4004	7078		12-22	zero files 16-22, no lines 5-11		12-22	zero files 16-22, no lines 5-11	USGS DAT37	1-11	Ch. 1, zerofiles 5-11, no lines 5-11
4006	6120		23-33	zero files 23-27, no lines 1-5		23-33	zero files 23-27, no lines 1-5		12-22	Ch. 1, zerofiles 12-16, no lines 1-5
4011	6108		34-44	Ch. 1		34-44	Ch. 1	USGS DAT38	1-11	Ch. 1
4012	6037		45-55	Ch. 1		45-55	Ch. 1	USGS DAT39	1-11	Ch. 1
4013	6085		56-66	zero files 56-58, no lines 1-3		56-66	zero files 56-58, no lines 1-3	USGS DAT40	1-11	Ch. 1, zerofiles 1-3, no lines 1-3
5005	6025		67-77	Ch. 1		67-77	Ch. 1	USGS DAT41	1-11	Ch. 1
5009	656		78-88	Ch. 4		78-88	Ch. 4	USGS DAT42	1-11	Ch. 1
7001	7056		89-99	Ch. 1		89-99	Ch. 1	USGS DAT43	1-11	Ch. 1
7002	7604		100-110	Ch. 1		100-110	Ch. 1	USGS DAT44	1-11	Ch. 1
7003	7052		111-121	Ch. 1		111-121	Ch. 1	USGS DAT45	1-11	Ch. 1
7004	7306		122-132	Ch. 1		122-132	Ch. 1	USGS DAT46	1-11	Ch. 1
7005	6090		133-143	Ch. 1		133-143	Ch. 1	USGS DAT47	1-11	Ch. 1
7006	7070		144-154	zero files 144, 146-154, have only line 2		144-154	zero files 144, 146-154, have only line 2		12-22	Ch. 1, zerofile 12, 14-22, have only line 2

7006	6102		155-165	zero file 155, no line 1		155-165	zero file 155, no line 1		23-33	Ch. 1, zerofile 23, no line 1
7007	6042		166-176	zero file 166, no line 1		166-176	zero file 166, no line 1	USGS DAT48	1-11	Ch. 1, zerofile 1, no line 1
7008	7292		177-187	Ch. 1		177-187	Ch. 1		12-22	Ch. 1
7009	381		188-198	Ch. 4		188-198	Ch. 4	USGS DAT49	1-11	Ch. 1
7010	7316		199-209	Ch. 1		199-209	Ch. 1	USGS DAT50	1-11	Ch. 1
7011	7085	USGS DLT8A	1-11	Ch. 1	USGS DLT8B	1-11	Ch. 1	USGS DAT51	1-11	Ch. 1
8001	6092		12-22	Ch. 1		12-22	Ch. 1	USGS DAT52	1-11	Ch. 1
8003	7614		23-33	Ch. 1		23-33	Ch. 1	USGS DAT53	1-11	Ch. 1
7012	6107		34-44	zero files 34-37, 43, no lines 1-4, 10		34-44	zero files 34-37, 43, no lines 1-4, 10		12-22	Ch. 1, zerofiles 12-15, 21, no lines 1-4
8002	6040		45-55	Ch. 1		45-55	Ch. 1	USGS DAT54	1-11	Ch. 1
8004	6101		56-66	Ch. 1		56-66	Ch. 1		12-22	Ch. 1
8005	6118		67-77	Ch. 1		67-77	Ch. 1		23-33	Ch. 1
8006	7303		78-88	Ch. 1		78-88	Ch. 1	USGS DAT55	1-11	Ch. 1
8007	6065		89-99	Ch. 1		89-99	Ch. 1		12-22	Ch. 1
8008	7330		100-110	Ch. 1		100-110	Ch. 1	USGS DAT56	1-11	Ch. 1
8009	7630		111-121	Ch. 1		111-121	Ch. 1	USGS DAT57	1-11	Ch. 1
8010	7320		122-132	Ch. 1		122-132	Ch. 1	USGS DAT58	1-11	Ch. 1
8011	7460		133-143	Ch. 1		133-143	Ch. 1	USGS DAT59	1-11	Ch. 1
8012	7295		144-154	Ch. 1		144-154	Ch. 1	USGS DAT60	1-11	Ch. 1
8013	7462		155-165	Ch. 1		155-165	Ch. 1	USGS DAT61	1-11	Ch. 1
8014	7440		166-176	Ch. 1		166-176	Ch. 1	USGS DAT62	1-11	Ch. 1
4003	7288	USGS DLT9A	1-11	Ch. 2	USGS DLT9B	1-11	Ch. 2	USGS DAT63	1-11	Ch. 2
4003	7288		12-22	Ch. 3		12-22	Ch. 3		12-22	Ch. 3
4007	7282		23-33	Ch. 2		23-33	Ch. 2		23-33	Ch. 2
4007	7282		34-44	Ch. 3		34-44	Ch. 3	USGS DAT64	1-11	Ch. 3
5002	895		45-66	Ch. 5 and 6		45-66	Ch. 5 and 6		12-33	Ch. 5 and 6
5003	395		67-88	Ch. 5 and 6		67-88	Ch. 5 and 6	USGS DAT65	1-22	Ch. 5 and 6
5007	877	Ch. 5 and 6	89-110	zerofiles 97-110, no lines 5-11, Ch. 5 and 6		89-110	zerofiles 97-110, no lines 5-11, Ch. 5 and 6		23-44	zerofiles 31-44 no lines 5-11, Ch. 5 and 6
5008	369		111-132	Ch. 5 and 6		111-132	Ch. 5 and 6	USGS DAT66	1-22	Ch. 5 and 6
5009	656		133-154	Ch. 5 and 6		133-154	Ch. 5 and 6	USGS DAT67	1-22	Ch. 5 and 6
6001	7291		155-176	Ch. 2 and 3		155-176	Ch. 2 and 3	USGS DAT68	1-22	Ch. 2 and 3
6004	7595	USGS DLT10A	1-22	Ch. 2 and 3	USGS DLT10B	1-22	Ch. 2 and 3	USGS DAT69	1-22	Ch. 2 and 3
6009	7605		23-44	Ch. 2 and 3		23-44	Ch. 2 and 3	USGS DAT70	1-22	Ch. 2 and 3
6011	7615		45-66	Ch. 2 and 3		45-66	Ch. 2 and 3	USGS DAT71	1-22	Ch. 2 and 3
6012	7594		67-88	Ch. 2 and 3		67-88	Ch. 2 and 3	USGS DAT72	1-22	Ch. 2 and 3
7002	7604		89-110	Ch. 2 and 3		89-110	Ch. 2 and 3	USGS DAT73	1-22	Ch. 2 and 3
7004	7306		111-132	Ch. 2 and 3		111-132	Ch. 2 and 3	USGS DAT74	1-22	Ch. 2 and 3
7009	381		133-154	Ch. 5 and 6		133-154	Ch. 5 and 6	USGS DAT75	1-22	Ch. 5 and 6
7010	7316		155-176	Ch. 2 and 3		155-176	Ch. 2 and 3	USGS DAT76	1-22	Ch. 2 and 3
8003	7614	USGS DLT11A	1-22	Ch. 2 and 3	USGS DLT11B	1-22	Ch. 2 and 3	USGS DAT77	1-22	Ch. 2 and 3
8006	7303		23-44	Ch. 2 and 3		23-44	Ch. 2 and 3	USGS DAT78	1-22	Ch. 2 and 3
8009	7630		45-66	Ch. 2 and 3		45-66	Ch. 2 and 3	USGS DAT79	1-22	Ch. 2 and 3
8012	7295		67-88	Ch. 2 and 3		67-88	Ch. 2 and 3	USGS DAT80	1-22	Ch. 2 and 3
1004	7278		89-110	Ch. 2 and 3		89-110	Ch. 2 and 3	USGS DAT81	1-22	Ch. 2 and 3
1008	550		111-143	Ch. 4, 5, 6		111-143	Ch. 4, 5, 6	USGS DAT82	1-33	Ch. 4, 5, 6
1011	7602		144-165	Ch. 2 and 3		144-165	Ch. 2 and 3	USGS DAT83	1-22	Ch. 2 and 3
1014	7298	USGS DLT12A	1-22	Ch. 2 and 3	USGS DLT12B	1-22	Ch. 2 and 3	USGS DAT84	1-22	Ch. 2 and 3

1017	7285		23-44	Ch. 2 and 3		23-44	Ch. 2 and 3	USGS DAT85	1-22	Ch. 2 and 3
1019	7289		45-66	Ch. 2 and 3		45-66	Ch. 2 and 3	USGS DAT86	1-22	Ch. 2 and 3
1020	7286		67-88	Ch. 2 and 3		67-88	Ch. 2 and 3	USGS DAT87	1-22	Ch. 2 and 3
2001	153		89-110	Ch. 5 and 6		89-110	Ch. 5 and 6	USGS DAT88	1-22	Ch. 5 and 6
2004	7593		111-132	zerofiles 117-118, 127-132, Ch. 2 and 3		111-132	zerofiles 117-118, 127-132, Ch. 2 and 3	USGS DAT89	1-22	zerofiles 117-118, 127-132, Ch. 2 and 3
2006	7300		133-154	Ch. 2 and 3		133-154	Ch. 2 and 3	USGS DAT90	1-22	Ch. 2 and 3
2011	359		155-176	Ch. 5 and 6		155-176	Ch. 5 and 6	USGS DAT91	1-22	Ch. 5 and 6
2012	149	USGS DLT13A	1-22	Ch. 5 and 6	USGS DLT13B	1-22	Ch. 5 and 6	USGS DAT92	1-22	Ch. 5 and 6
2013	340		23-44	Ch. 5 and 6		23-44	Ch. 5 and 6	USGS DAT93	1-22	Ch. 5 and 6
3002	529		45-77	Ch. 4, 5, 6		45-77	Ch. 4, 5, 6, 1	USGS DAT94	1-33	Ch. 4, 5, 6
3006	880		78-110	zerofiles 75-77, Ch. 4-6		78-110	zerofiles 75-77, Ch. 4-6	USGS DAT95	1-33	zerofiles 1-3, Ch. 4-6
3009	348		111-132	Ch. 2 and 3		111-132	Ch. 2 and 3	USGS DAT96	1-22	Ch. 2 and 3
3012	7283		133-154	Ch. 2 and 3		133-154	Ch. 2 and 3	USGS DAT97	1-22	Ch. 2 and 3
3014	7597		155-176	Ch. 2 and 3		155-176	Ch. 2 and 3	USGS DAT98	1-22	Ch. 2 and 3
4001	898	USGS DLT14A	1-33	Ch. 5 and 6	USGS DLT14B	1-33	Ch. 5 and 6	USGS DAT99	1-22	Ch. 5 and 6
1003	6041		34-44	Ch. 1 -		34-44	Ch. 1 - fix12secbug	USGS DAT100	1-11	Ch. 1 - fix12secbug
2002	6032		45-55	Ch. 1 - fix 1988		45-55	Ch. 1 - fix 1988		12-22	Ch. 1 - fix 1988
2003	6021		56-66	Ch. 1 - fix 1988		56-66	Ch. 1 - fix 1988		23-33	Ch. 1 - fix 1988
2005	6047		67-77	Ch. 1 - fix 1988		67-77	Ch. 1 - fix 1988		34-44	Ch. 1 - fix 1988
3001	6057		78-88	Ch. 1 - manual refrate		78-88	Ch. 1 - manual refrate, fix12secbug		45-55	Ch. 1 - manual refrate, fix12secbug
3003	6081		89-99	Ch. 1 - manual refrate		89-99	Ch. 1 - manual refrate		56-66	Ch. 1 - manual refrate
3004	6125		100-110	Ch. 1 - manual refrate		100-110	Ch. 1 - manual refrate	USGS DAT101	1-11	Ch. 1 - manual refrate
4005	7100		111-121	Ch. 1		111-121	Ch. 1		12-22	Ch. 1
4011	6108		122-132	Ch. 1		122-132	Ch. 1	USGS DAT104		Ch. 1
6003	6080		133-143	Ch. 1		133-143	Ch. 1			Ch. 1
1003	6041		144-145	Lines 4 and 9		144-145	Lines 4 and 9	USGS DAT103	1-2	Lines 4 and 9
3001	6057		146-147	Lines 4 and 9		146-147	Lines 4 and 9		3-4	Lines 4 and 9
3002	529		148-150	Line 4, Ch. 4-6		148-150	Line 4, Ch. 4-6		5-7	Line 4, Ch. 4-6
4012	6037		151	Line 9		151	Line 9		8	Line 9
5004	6025		152	Line 9		152	Line 9		9	Line 9
5009	656		153-155	Zerofiles		153-155	Zerofiles		10-12	Zerofiles
5009	656		156-158	Line 9, Ch. 4-6		156-158	Line 9, Ch. 4-6		13-15	Line 9, Ch. 4-6
7009	381	OSU DLT4A	98-100	Line 9	OSU DLT4B	98-100	Line 9	USGS DAT104	1-3	Line 9
8007	6065		101	Line 9		101	Line 9		4	Line 9
9001	7104	OSU DLT1A	1-11	Ch. 1	OSU DLT1B	1-11	Ch. 1	OSU DAT1	1-11	Ch. 1
9003	6028		12-22	Ch. 1		12-22	Ch. 1		12-22	Ch. 1
9002	7046		23-33	Ch. 1		23-33	Ch. 1	OSU DAT2	1-11	Ch. 1
9004	7099		34-44	zero files 39-44, no lines 6-11		34-44	zero files 39-44, no lines 6-11		12-22	zero files 17-22 no lines 6-11
9005	6046		45-55	Ch. 1		45-55	Ch. 1	OSU DAT3	1-11	Ch. 1
9006	7598		56-66	Ch. 1		56-66	Ch. 1		12-22	Ch. 1
9007	7092		67-77	Ch. 1		67-77	Ch. 1	OSU DAT4	1-11	Ch. 1
9008	7072		78-88	Ch. 1		78-88	Ch. 1		12-22	Ch. 1
9009	7116		89-99	Ch. 1		89-99	Ch. 1	OSU DAT5	1-11	Ch. 1
9010	7038		100-110	Ch. 1		100-110	Ch. 1		12-22	Ch. 1
9011	7428		111-121	Ch. 1		111-121	Ch. 1	OSU DAT6	1-11	Ch. 1
9012	7466		122-133	Ch. 1		122-133	Ch. 1		12-23	Ch. 1

9012	227		134-144	zero files 134, 139-144, no lines 1, 6-11		134-144	zero files 134, 139-144, no lines 1, 6-11	OSU DAT7	1-11	zero files 1, 6-11, no lines 1, 6-11
9012	6030		145-155	zero files 145-151, no lines 1-7		145-155	zero files 145-151, no lines 1-7		12-22	zero files 12-18, no lines 1-7
9013	7324		156-166	Ch. 1		156-166	Ch. 1	OSU DAT8	1-11	Ch. 1
9014	7296		167-177	Ch. 1		167-177	Ch. 1	OSU DAT9	1-11	Ch. 1
9015	7098		178-188	Ch. 1		178-188	Ch. 1	OSU DAT10	1-11	Ch. 1
9016	7061	OSU DLT2A	1-11	Ch. 1	OSU DLT2B	1-11	Ch. 1	OSU DAT11	1-11	Ch. 1
9017	7452		12-22	Ch. 1		12-22	Ch. 1	OSU DAT12	1-11	Ch. 1
9018	7302		23-33	Ch. 1		23-33	Ch. 1	OSU DAT13	1-11	Ch. 1
9019	7454		34-44	Ch. 1		34-44	Ch. 1	OSU DAT14	1-11	Ch. 1
9021	7352		45-55	Ch. 1		45-55	Ch. 1	OSU DAT15	1-11	Ch. 1
9022	7435		56-66	Ch. 1		56-66	Ch. 1	OSU DAT16	1-11	Ch. 1
9023	338		67-77	All Zero files		67-77	All Zero files			
9023	338		78-88	Ch. 4		78-88	Ch. 4	OSU DAT17	1-11	Ch. 4
						89-91	All Zero files			
9024	7317		89-99	Ch. 1		92-102	Ch. 1	OSU DAT18	1-11	Ch. 1
9025	7089		100-110	zero file 100, no line 1		103-113	zero file 100, no line 1	OSU DAT19	1-11	zero file 1, no line 1
9027	7339		111-121	Ch. 1		114-124	Ch. 1	OSU DAT20	1-11	Ch. 1
9028	7073		122-132	Ch. 1		125-135	Ch. 1	OSU DAT21	1-11	Ch. 1
9029	771		133-143	Ch. 4		136-146	Ch. 4	OSU DAT22	1-11	Ch. 4
9030	6029		144-154	zero files 144-148, no lines 1-5		147-157	zero files 147-151, no lines 1-5	OSU DAT23	1-11	zero files 1-5, no lines 1-5
9031	6026		155-165	zero file 155, no line 1		158-168	zero file 158, no line 1	OSU DAT24	1-11	zero file 1, no line 1
9004	6018		166-176	zero files 166-169, no lines 1-4		169-179	zero files 169-172, no lines 1-4	OSU DAT25	1-11	zero files 1-4, no lines 1-4
9012	6069		177-187	zero files 177-181, 187, no lines 1-5, 11		180-190	zero files 180-184, 190, no lines 1-5, 11	OSU DAT26	1-11	zero files 1-5, 11, no lines 1-5, 11
9030	7075	OSU DLT3A	1-11	zero files 7-11, no lines 7-11	OSU DLT3B	1-11	zero files 7-11, no lines 7-11	OSU DAT27	1-11	zero files 7-11, no lines 7-11
9006	7598	CAN DLT4A	89-110	Ch. 2 and 3	CAN DLT4B	89-110	Ch. 2 and 3	OSU DAT28	1-22	Ch. 2 and 3
9018	7302		111-132	Ch. 2 and 3		111-132	Ch. 2 and 3	OSU DAT29	1-22	Ch. 2 and 3
9023	338		133-154	Ch. 5 and 6		133-154	Ch. 5 and 6	OSU DAT30	1-22	Ch. 5 and 6
9008	7072		155-187	Zerofiles 156-157, 159-160, 162-163, 165-166, 168-169, Ch. 1, 2, 3		155-187	Zerofiles 156-157, 159-160, 162-163, 165-166, 168-169, Ch. 1, 2, 3	OSU DAT31	1-22	Zerofiles 2-3, 5-6, 8-9, 11-12, 14-15, Ch. 1, 2, 3
9010	7038	OSU DLT4A	1-22	Ch. 2 and 3, Zerofiles 1-8, no lines 1-4	OSU DLT4B	1-22	Ch. 2 and 3, Zerofiles 1-8, no lines 1-4	OSU DAT32	1-22	Ch. 2 and 3 Zerofiles 1-8, no lines 1-4
9011	7428		23-44	Ch. 2 and 3, Zerofiles 23-30, no lines 1-4		23-44	Ch. 2 and 3, Zerofiles 23-30, no lines 1-4	OSU DAT33	1-22	Ch. 2 and 3 Zerofiles 1-8, no lines 1-4
9012	227		45-66	Ch. 5 and 6, Zerofiles 45-46, 55-66, no lines 1, 6-11		45-66	Ch. 5 and 6, Zerofiles 45-46, 55-66, no lines 1, 6-11	OSU DAT34	1-22	Ch. 2 and 3 Zerofiles 1-2, 23-30, no lines 1, 6-11
9014	7296		67-88	Ch. 2 and 3, Zerofiles 67-74, no lines 1-4		67-88	Ch. 2 and 3, Zerofiles 67-74, no lines 1-4		23-44	Zerofiles 23-30, no lines 1-4
9001	7104		89-90	Lines 4 and 9		89-90	Lines 4 and 9	OSU DAT35	1-2	Lines 4 and 9
9008	7072		91-94	Line 4 Ch. 1, Line 9 Ch. 1-3		91-94	Line 4 Ch. 1, Line 9 Ch. 1-3		3-6	Line 4 Ch. 1, Line 9 Ch. 1-3
9009	7116		95	Line 9		95	Line 9		7	Line 9
9012	6030		96	Line 9		96	Line 9		8	Line 9

9015	7098		97	Line 9		97	Line 9		9	Line 9
7009	381	OSU DLT4A	98-100	Line 9	OSU DLT4B	98-100	Line 9	USGS DAT104	1-3	Line 9
8007	6065		101	Line 9		101	Line 9		4	Line 9
10008	7047	OSU DLT4A	102	Line 4	OSU DLT4B	102	Line 4	UW DAT48	1	Line 4
10009	7040		103-104	Lines 4 and 9		103-104	Lines 4 and 9		2-3	Lines 4 and 9
10011	7043		105	Line 9		105	Line 9		4	Line 9
10013	7082		106-107	Lines 4 and 9		106-107	Lines 4 and 9		5-6	Lines 4 and 9
10016	7093		108	Line 4		108	Line 4		7	Line 4
10020	7088		109	Line 9		109	Line 9		8	Line 9
10035	7053		110	Line 9		110	Line 9		9	Line 9
10037	7101		111	Line 9		111	Line 9		10	Line 9
10042	7113		112	Line 9		112	Line 9		11	Line 9
10043	7109		113	Line 4		113	Line 4		12	Line 4
10047	7103		114-115	Lines 4 and 9		114-115	Lines 4 and 9		13-14	Lines 4 and 9
10049	7086		116	Line 9		116	Line 9		15	Line 9
10051	7087		117	Line 4		117	Line 4		16	Line 4
10056	7060		118	Line 9		118	Line 9		17	Line 9
10001	7041	UW DLT1A	1-11	Ch. 1	UW DLT1B	1-11	Ch. 1	UW DAT1	1-11	Ch. 1
10002	7114		12-22	Ch. 1		12-22	Ch. 1		12-22	Ch. 1
10003	7334		23-33	Ch. 1		23-33	Ch. 1		23-33	Ch. 1
10004	7627		34-44	Ch. 3		34-44	Ch. 3	UW DAT2	1-11	Ch. 3
10005	7074		45-55	Ch. 1		45-55	Ch. 1	UW DAT3	1-11	Ch. 1
10006	556		56-66	All Zero files		56-66	All Zero files		12-22	All Zero files
10007	7364		67-77	Ch. 1		67-77	Ch. 1		23-33	Ch. 1
10008	7047		78-88	zerofiles 84-88, no lines 7-11		78-88	zerofiles 84-88, no lines 7-11		34-44	zerofiles 40-44, no lines 7-11
10010	7629		89-99	Ch. 3		89-99	Ch. 3	UW DAT4	1-11	Ch. 3
10011	7043	UW DLT2A	1-11	Ch. 1	UW DLT2B	1-11	Ch. 1	UW DAT5	1-11	Ch. 1
10013	7082		12-22	Ch. 1		12-22	Ch. 1		12-22	Ch. 1
10014	7341		23-33	Ch. 1		23-33	Ch. 1		23-33	Ch. 1
10012	7591		34-44	Ch. 3		34-44	Ch. 3	UW DAT6	1-11	Ch. 3
10015	7091		45-55	Ch. 1		45-55	Ch. 1	UW DAT7	1-11	Ch. 1
10016	7093		56-66	Ch. 1		56-66	Ch. 1		12-22	Ch. 1
10017	7068		67-77	zerofiles 74-76, no lines 9-11		67-77	zerofiles 75-77, no lines 9-11		23-33	zerofiles 31-33, no lines 9-11
10019	7050		78-88	Ch. 1		78-88	Ch. 1		34-44	Ch. 1
10021	7094		89-99	Ch. 1		89-99	Ch. 1	UW DAT8	1-11	Ch. 1
10022	7096		100-110	Ch. 1		100-110	Ch. 1		12-22	Ch. 1
10020	7088	UW DLT3A	1-11	Ch. 1	UW DLT3B	1-11	Ch. 1	UW DAT9	1-11	Ch. 1
10021	7094		12-12	Line 1		12-12	Line 1		12-12	Line 1
10023	7438		13-23	zerofiles 13-16, no lines 1-4		13-23	zerofiles 13-16, no lines 1-4		13-23	zerofiles 13-16, no lines 1-4
10024	7279		24-34	Ch. 1		24-34	Ch. 1		24-34	Ch. 1
10025	7622		35-45	Ch. 1		35-45	Ch. 1	UW DAT10	1-11	Ch. 1
10026	7600		46-56	Ch. 1		46-56	Ch. 1		12-22	Ch. 1
10027	192		57-67	Ch. 4		57-67	Ch. 4		23-33	Ch. 4
10004	7627		68-78	Ch. 1		68-78	Ch. 1	UW DAT11	1-11	Ch. 1
10010	7629		79-89	Ch. 1		79-89	Ch. 1		12-22	Ch. 1
10012	7591	UW DLT4A	1-11	Ch. 1	UW DLT4B	1-11	Ch. 1		23-33	Ch. 1

10018	391		12-22	Ch. 4		12-22	Ch. 1	UW DAT12	1-11	Ch. 1
10004	7627		23-55	Ch. 2 and 3		23-55	Ch. 2 and 3	UW DAT40	1-22	Ch. 2 and 3
10006	556		56-77	Ch. 2 and 3, zerofiles 56-61, 66-77		56-77	Ch. 2 and 3, zerofiles 56-61, 66-77	UW DAT41	1-22	Ch. 2 and 3, zerofiles 1-6, 11-22
10010	7629		78-99	Ch. 2 and 3		78-99	Ch. 2 and 3		23-44	Ch. 2 and 3
10028	7611	UW DLT5A	1-11	Ch. 1	UW DLT5B	1-11	Ch. 1	UW DAT13	1-11	Ch. 1
10030	7095		12-22	Ch. 1		12-22	Ch. 1		12-22	Ch. 1
10031	878		23-33	Ch. 4		23-33	Ch. 4		23-33	Ch. 1
10032	7294		34-44	Ch. 1		34-44	Ch. 1	UW DAT14	1-11	Ch. 1
10033	7071		45-55	Ch. 1		45-55	Ch. 1		12-22	Ch. 1
10034	7297		56-66	Ch. 1		56-66	Ch. 1		23-33	Ch. 1
10035	7053		67-77	Ch. 1		67-77	Ch. 1	UW DAT15	1-11	Ch. 1
10036	7350		78-88	Ch. 1		78-88	Ch. 1		12-22	Ch. 1
10037	7101		89-99	Ch. 1		89-99	Ch. 1		23-33	Ch. 1
10038	7108		100-110	Ch. 1		100-110	Ch. 1	UW DAT 16	1-11	Ch. 1
10039	7601		111-121	Ch. 1		111-121	Ch. 1		12-22	Ch. 1
10040	7619		122-132	Ch. 1		122-132	Ch. 1		23-33	Ch. 1
10042	7113		133-143	Ch. 1		133-143	Ch. 1	UW DAT17	1-11	Ch. 1
10043	7109		144-154	Ch. 1		144-154	Ch. 1		12-22	Ch. 1
10044	7054		155-165	Ch. 1		155-165	Ch. 1		23-33	Ch. 1
10045	7467	UW DLT6A	1-11	Ch. 1	UW DLT6B	1-11	Ch. 1	UW DAT18	1-11	Ch. 1
10046	7076		12-22	Ch. 1		12-22	Ch. 1	UW DAT19	1-11	Ch. 1
10047	7103		23-33	Ch. 1		23-33	Ch. 1	UW DAT20	1-11	Ch. 1
10048	7342		34-44	Ch. 1		34-44	Ch. 1	UW DAT21	1-11	Ch. 1
10049	7086		45-55	Ch. 1		45-55	Ch. 1		12-22	Ch. 1
10050	7346		56-66	Ch. 1		56-66	Ch. 1	UW DAT22	1-11	Ch. 1
10051	7087		67-77	Ch. 1		67-77	Ch. 1	UW DAT23	1-11	Ch. 1
10052	7084		78-88	Ch. 1		78-88	Ch. 1	UW DAT24	1-11	Ch. 1
10053	384		89-99	Ch. 4		89-99	Ch. 4	UW DAT25	1-11	Ch. 1
10054	7065		100-110	Ch. 1		100-110	Ch. 1	UW DAT26	1-11	Ch. 1
10055	7328		111-121	Ch. 1		111-121	Ch. 1		12-22	Ch. 1
10056	7060		122-132	Ch. 1		122-132	Ch. 1		23-33	Ch. 1
10057	875		133-143	Ch. 4		133-143	Ch. 4	UW DAT27	1-11	Ch. 1
10058	7090		144-154	Ch. 1		144-154	Ch. 1	UW DAT28	1-11	Ch. 1
10059	553		155-165	Ch. 4		155-165	Ch. 4	UW DAT29	1-11	Ch. 1
10060	7609	UW DLT7A	1-33	Ch. 1-3	UW DLT7B	1-33	Ch. 1-3	UW DAT30	1-33	Ch. 1-3
10028	7611		34-55	Ch. 2 and 3		34-55	Ch. 2 and 3	UW DAT31	1-22	Ch. 2 and 3
10031	878		56-77	Ch. 5 and 6		56-77	Ch. 5 and 6	UW DAT32	1-22	Ch. 5 and 6
10032	7294	UW DLT8A	1-22	Ch. 2 and 3	UW DLT8B	1-22	Ch. 2 and 3	UW DAT33	1-22	Ch. 2 and 3
10034	7297		23-44	Ch. 2 and 3		23-44	Ch. 2 and 3	UW DAT34	1-22	Ch. 2 and 3
10039	7601		45-66	Ch. 2 and 3		45-66	Ch. 2 and 3	UW DAT35	1-22	Ch. 2 and 3
10040	7619		67-88	Ch. 2 and 3		67-88	Ch. 2 and 3	UW DAT36	1-22	Ch. 2 and 3
10053	384	UW DLT9A	1-22	Ch. 5 and 6	UW DLT9B	1-22	Ch. 5 and 6	UW DAT37	1-22	Ch. 5 and 6
10057	875		23-44	Ch. 5 and 6		23-44	Ch. 5 and 6	UW DAT38	1-22	Ch. 5 and 6
10059	553		45-66	Ch. 5 and 6		45-66	Ch. 5 and 6	UW DAT39	1-22	Ch. 5 and 6
10012	7591	UW DLT10A	1-22	Ch. 2 and 3	UW DLT10B	1-22	Ch. 2 and 3	UW DAT42	1-22	Ch. 2 and 3
10018	391		23-44	Ch. 5 and 6		23-44	Ch. 5 and 6	UW DAT43	1-22	Ch. 5 and 6
10023	7438		45-66	Ch. 2 and 3, Zerofiles 45-52, no lines 1-4		45-66	Ch. 2 and 3, Zerofiles 45-52, no lines 1-4	UW DAT44	1-22	Ch. 2 and 3, Zerofiles 1-8, no lines 1-4

10024	7279		67-88	Ch. 2 and 3		67-88	Ch. 2 and 3	UW DAT45	1-22	Ch. 2 and 3
10026	7600		89-110	Ch. 2 and 3		89-110	Ch. 2 and 3	UW DAT46	1-22	Ch. 2 and 3
10027	192		111-132	Ch. 5 and 6		111-132	Ch. 5 and 6	UW DAT47	1-22	Ch. 5 and 6
10008	7047	OSU DLT4A	102	Line 4	OSU DLT4B	102	Line 4	UW DAT48	1	Line 4
10009	7040		103-104	Lines 4 and 9		103-104	Lines 4 and 9		2-3	Lines 4 and 9
10011	7043		105	Line 9		105	Line 9		4	Line 9
10013	7082		106-107	Lines 4 and 9		106-107	Lines 4 and 9		5-6	Lines 4 and 9
10016	7093		108	Line 4		108	Line 4		7	Line 4
10020	7088		109	Line 9		109	Line 9		8	Line 9
10035	7053		110	Line 9		110	Line 9		9	Line 9
10037	7101		111	Line 9		111	Line 9		10	Line 9
10042	7113		112	Line 9		112	Line 9		11	Line 9
10043	7109		113	Line 4		113	Line 4		12	Line 4
10047	7103		114-115	Lines 4 and 9		114-115	Lines 4 and 9		13-14	Lines 4 and 9
10049	7086		116	Line 9		116	Line 9		15	Line 9
10051	7087		117	Line 4		117	Line 4		16	Line 4
10056	7060		118	Line 9		118	Line 9		17	Line 9
9030	7075	OSU DLT3A	1-11	zero files 7-11, no lines 7-11	OSU DLT3B	1-11	zero files 7-11, no lines 7-11	OSU DAT27	1-11	zero files 7-11, no lines 7-11
11001	7337		12-24	CA23, CA01,CA26 - Ch. 1		12-24	CA23, CA01,CA26 - Ch. 1	CAN DAT1	1-13	CA23, CA01,CA26 - Ch. 1
11008	7287		25-35	Ch. 1		25-35	Ch. 1		14-24	Ch. 1
11009	7606		36-46	Ch. 1		36-46	Ch. 1		25-35	Ch. 1
11014	7344		47-57	Ch. 1		47-57	Ch. 1	CAN DAT2	1-11	Ch. 1
11016	7343		58-68	Ch. 1		58-68	Ch. 1		12-22	Ch. 1
11017	7599		69-79	Ch. 1		69-79	Ch. 1		23-33	Ch. 1
11018	7280		80-90	Ch. 1		80-90	Ch. 1	CAN DAT3	1-11	Ch. 1
11019	7625		91-101	Ch. 1		91-101	Ch. 1		12-22	Ch. 1
11020	7299		102-112	Ch. 1		102-112	Ch. 1		23-33	Ch. 1
11034	7332		113-123	CA34, CA39 - Ch. 1		113-123	CA34, CA39 - Ch. 1	CAN DAT4	1-11	CA34, CA39 - Ch. 1
11035	7429		124-134	CA35, CA38 - Ch. 1		124-134	CA35, CA38 - Ch. 1		12-22	CA35, CA38 - Ch. 1
11036	7351		135-145	CA36, CA42 - All Zero files	zero files	135-145	CA36, CA42 - All Zero files	zero files	23-33	CA36, CA42 - All Zero files
11037	7281		146-156	CA37, CA41 - Ch. 1		146-156	CA37, CA41 - Ch. 1		34-44	CA37, CA41 - Ch. 1
11044	7445		157-167	Ch. 1		157-167	Ch. 1	CAN DAT5	1-11	Ch. 1
11045	7360		168-178	Ch. 1		168-178	Ch. 1		12-22	Ch. 1
11046	7348	CAN DLT1A	1-11	Ch. 1	CAN DLT1B	1-11	Ch. 1		23-33	Ch. 1
11047	7446		12-22	Ch. 1		12-22	Ch. 1	CAN DAT6	1-11	Ch. 1
11048	7430		23-33	Ch. 1		23-33	Ch. 1		12-22	Ch. 1
11049	7449		34-44	Ch. 1		34-44	Ch. 1		23-33	Ch. 1
11050	7333		45-55	Ch. 1		45-55	Ch. 1	CAN DAT7	1-11	Ch. 1
11051	7322		56-66	Ch. 1		56-66	Ch. 1		12-22	Ch. 1
11052	7433		67-77	Ch. 1		67-77	Ch. 1		23-33	Ch. 1
11053	7612		78-88	Ch. 1		78-88	Ch. 1	CAN DAT8	1-11	Ch. 1
Tully	7356		89-99	zero files 89-93, no lines 1-5		89-99	zero files 89-93, no lines 1-5		12-22	zero files 12-16, no lines 1-5
11002	6116		100-112	CA27, CA02, CA29 - Ch. 1		100-112	CA27, CA02, CA29 - Ch. 1	CAN DAT9	1-13	CA27, CA02, CA29 - Ch. 1
11003	6126		113-124	CA25, CA03 - Ch. 1		113-124	CA25, CA03 - Ch. 1		14-25	CA25, CA03 - Ch. 1
11004	6110		125-135	Ch. 1		125-135	Ch. 1	CAN DAT10	1-11	Ch. 1

11005	6119		136-146	Ch. 1		136-146	Ch. 1		12-22	Ch. 1
11006	6039		147-157	Ch. 1		147-157	Ch. 1		23-33	Ch. 1
11007	7301		158-169	CA07, CA07A, zerofile 158, no line 1		158-169	CA07, CA07A, zerofile 158, no line 1		34-45	CA07, CA07A, zerofile 34, no line 1
11010	6113		170-182	CA26, CA10, CA25 - Ch. 1		170-182	CA26, CA10, CA25 - Ch. 1		46-58	CA26,CA10,CA25 - Ch. 1
11012	6111		183-193	Ch. 1		183-193	Ch. 1	CAN DAT11	1-11	Ch. 1
11013	6060		194-206	CA29, CA13, CA27 - Ch. 1		194-206	CA29, CA13, CA27 - Ch. 1		12-24	CA29, CA13, CA27 - Ch. 1
11015	6109		207-217	Ch. 1		207-217	Ch. 1		25-35	Ch. 1
11011	6058		218-230	CA28, CA11, CA28 - Ch. 1		218-230	CA28, CA11, CA28 - Ch. 1		36-48	CA28, CA11, CA28 - Ch. 1
11036	7351	CAN DLT2A	1-11	CA36, CA42 - Ch. 1	CAN DLT2B	1-11	CA36, CA42 - Ch. 1	CAN DAT12	1-11	CA36, CA42 - Ch. 1
11021	7610	copy of	12-22	Ch. 1		12-22	Ch. 1	CAN DAT13	1-11	Ch. 1
11022	7331	CAN DLT2B	23-33	Ch. 1		23-33	Ch. 1		12-22	Ch. 1
11024	7456		34-44	Ch. 1		34-44	Ch. 1		23-33	Ch. 1
11030	7277		45-55	Ch. 1		45-55	Ch. 1	CAN DAT14	1-11	Ch. 1
11031	7623		56-66	Ch. 1		56-66	Ch. 1		12-22	Ch. 1
11032	7284		67-77	Ch. 1		67-77	Ch. 1		23-33	Ch. 1
11033	7628		78-88	Ch. 1		78-88	Ch. 1	CAN DAT15	1-11	Ch. 1
11043	7431		89-99	Ch. 1		89-99	Ch. 1		12-22	Ch. 1
11021	7610	CAN DLT3A	1-22	Ch. 2 and 3	CAN DLT3A	1-22	Ch. 2 and 3	CAN DAT16	1-22	Ch. 2 and 3
11030	7277		23-44	Ch. 2 and 3		23-44	Ch. 2 and 3	CAN DAT17	1-22	Ch. 2 and 3
11031	7623		45-66	Ch. 2 and 3		45-66	Ch. 2 and 3	CAN DAT18	1-22	Ch. 2 and 3
11032	7284		67-88	Ch. 2 and 3		67-88	Ch. 2 and 3	CAN DAT19	1-22	Ch. 2 and 3
11033	7628		89-110	Ch. 2 and 3		89-110	Ch. 2 and 3	CAN DAT20	1-22	Ch. 2 and 3
11007	7301		111-134	Ch. 2 and 3		111-134	Ch. 2 and 3	CAN DAT21	1-22	Ch. 2 and 3
				zerofiles 111-112, no line 1			zerofiles 111-112, no line 1			zerofiles 1-2, no line 1
11017	7599		135-156	Ch. 2 and 3		135-156	Ch. 2 and 3	CAN DAT22	1-22	Ch. 2 and 3
11018	7280		157-178	Ch. 2 and 3		157-178	Ch. 2 and 3	CAN DAT23	1-22	Ch. 2 and 3
11019	7625	CAN DLT4A	1-22	Ch. 2 and 3	CAN DLT4B	1-22	Ch. 2 and 3	CAN DAT24	1-22	Ch. 2 and 3
11020	7299		23-44	Ch. 2 and 3		23-44	Ch. 2 and 3	CAN DAT25	1-22	Ch. 2 and 3
11008	7287		45-66	Ch. 2 and 3		45-66	Ch. 2 and 3	CAN DAT26	1-22	Ch. 2 and 3
11009	7606		67-88	Ch. 2 and 3		67-88	Ch. 2 and 3	CAN DAT27	1-22	Ch. 2 and 3
11007	7301							CAN DAT28	1-30	Ch. 1-3, Lines 2-11
9006	7598		89-110	Ch. 2 and 3		89-110	Ch. 2 and 3	OSU DAT28	1-22	Ch. 2 and 3
9018	7302		111-132	Ch. 2 and 3		111-132	Ch. 2 and 3	OSU DAT29	1-22	Ch. 2 and 3
9023	338		133-154	Ch. 5 and 6		133-154	Ch. 5 and 6	OSU DAT30	1-22	Ch. 5 and 6
9008	7072		155-187	Zerofiles 156-157, 159- 160, 162-163, 165-166, 168-169 Ch. 1-3		155-187	Zerofiles 156-157, 159- 160, 162-163, 165-166, 168-169, Ch. 1-3	OSU DAT31	1-33	Ch. 1-3

copy_seg_y_tape (need number of the first file to copy, the number of the last file to copy, and path names of the tape drive of tape to be copied (in_device) and of the tape drive to copy the tape onto (out_device))

#!/bin/sh

Program to do a tape to tape copy with segy files

```

# assumes the existence of an mt asf command
# assumes tcopy returns 0 on successful completion
# non-zero on failure

if test $# -lt 4
then
    echo "Need 4 args; start, stop, in_device, out_device"
    exit
fi

STARTNUM=$1
ENDNUM=$2
INTAPE=$3
OUTTAPE=$4

mt -f $INTAPE asf `expr $STARTNUM - 1`
mt -f $OUTTAPE asf `expr $STARTNUM - 1`

CURRNUM=$STARTNUM
while test $CURRNUM -le $ENDNUM
do
    echo "Copying record $CURRNUM"

    RETURNVAL=`tcopy $INTAPE $OUTTAPE | grep "record 2"`
    if test -n "$RETURNVAL"
    then
        echo "Successful Record $CURRNUM"
    else
        echo "Un-successful $CURRNUM; rewinding tapes"
        mt -f $INTAPE asf $CURRNUM
        mt -f $OUTTAPE asf $CURRNUM
    fi
    CURRNUM=`expr $CURRNUM + 1`
done

```