



\*\*\*\*\*  
 REC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
 \*\*\*\*\*

NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

0 YEAR FLOOD WATER SURF

SUMMARY OF RESULTS

SECTION	VICH	ELTED	ELLC	Q	ELMIN	CWSEL	CRIMS	VCH	SSTA	ENDST	AREA	DIFWSP
250.000	250.00	0.0	0.0	91.00	858.00	861.07	861.07	5.16	1253.64	1319.59	31.28	0.0
250.000	250.00	0.0	0.0	201.00	858.00	861.57	0.0	5.92	1216.68	1336.98	78.23	0.50
250.000	250.00	0.0	0.0	268.00	858.00	861.77	0.0	6.19	1202.49	1343.65	103.51	0.19
250.000	250.00	0.0	0.0	451.00	858.00	862.13	0.0	6.65	1194.57	1356.06	158.30	0.36
1500.000	1500.00	0.0	0.0	24.00	880.00	881.29	881.29	5.48	1148.15	1152.92	4.38	0.0
1500.000	1500.00	0.0	0.0	55.00	880.00	882.02	882.02	4.67	1105.44	1171.23	26.86	0.73
1500.000	1500.00	0.0	0.0	83.00	880.00	882.14	882.14	5.27	1099.74	1174.68	35.22	0.12
1500.000	1500.00	0.0	0.0	155.00	880.00	882.37	882.37	6.53	1098.22	1181.36	53.22	0.23

SUMMARY OF ERRORS

AUT101 SECTION= 1500.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
 AUT101 SECTION= 1500.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
 AUT101 SECTION= 1500.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
 AUT101 SECTION= 1500.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
 AUT101 SECTION= 1500.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
 AUT101 SECTION= 1500.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
 AUT101 SECTION= 1500.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
 AUT101 SECTION= 1500.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY  
 AUT101 SECTION= 1500.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
 AUT101 SECTION= 1500.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
 AUT101 SECTION= 1500.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY  
 AUT101 SECTION= 1500.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

//RMK14T JOB RTT,A25,P03078,MAK,M=1,T=2,P=200,PTY=1 *Good*  
 //PROCLIB=RTT.MG.PROCLIB  
 // EXEC HEC2  
 //SYSTEM DD \*

C	21								
C	3435	RDNO	LAKE ROAD	MXLCEL	736.5	RDELV	738.2		
C	7402	RDNO	WASTE TRT. PLT	MXLCEL	757.9	RDELV	762.5		
C	9407	RDNO	FIELD ROAD	MXLCEL	763.8	RDELV	765.1		
C	10709	RDNO	TRT. PLT ROAD	MXLCEL	772.2	RDELV	772.8		
C	15480	RDNO	RAILROAD SPUR	MXLCEL	805.5	RDELV	807.9		
C	16295	RDNO	CARMALT STREET	MXLCEL	801.1	RDELV	802.3		
C	17407	RDNO	RAILROAD SPUR	MXLCEL	805.1	RDELV	807.9		
C	17545	RDNO	FISHER FERRY ST	MXLCEL	805.3	RDELV	806.6		
C	17760	RDNO	LEAMONS FOOD LOT	MXLCEL	805.1	RDELV	807.6		
C	19668	RDNO	NC 109	MXLCEL	812.0	RDELV	812.4		
C	20155	RDNO	RAILROAD SPUR	MXLCEL	814.1	RDELV	816.2		
C	20493	RDNO	TAYLOR STREET	MXLCEL	816.3	RDELV	819.2		
C	21308	RDNO	PLANT ENTRANCE	MXLCEL	823.0	RDELV	824.3		
C	22165	RDNO	NO NAME	MXLCEL	827.4	RDELV	832.7		
C	22512	RDNO	RAILROAD SPUR	MXLCEL	834.0	RDELV	836.6		
C	23133	RDNO	LUMBER YARD	MXLCEL	835.3	RDELV	836.6		
C	23341	RDNO	SHERMAN ST.	MXLCEL	835.9	RDELV	838.8		
C	24237	RDNO	NO NAME	MXLCEL	841.8	RDELV	843.5		
C	25488	RDNO	MASON WAY	MXLCEL	864.0	RDELV	866.6		
C	26903	RDNO	RAILROAD SPUR	MXLCEL	861.9	RDELV	873.1		
C	28925	RDNO	NCSR 2051	MXLCEL	877.9	RDELV	884.2		

T1 THOMASVILLE-DAVIDSON COUNTY BASIN G STRM 22-14T NORTH HAMBY CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6914  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	-1	4							720.6	
J2	0		-1							
J3	38	39	40	41	43	42	1	2	26	53
J3	54	25	50	0	200					
NC	0.055	0.055	0.035	0.1	0.3					
QT	5	940	1650	1960	2750	1960				
ET	5	0	0	0	0	-10.4				
X1	500	15	1253	1283	500	500	500			
GR	735.5	1000	725.4	1080	724.3	1190	720.8	1200	719.5	1253
GR	713.5	1254	712.3	1269	712.5	1273	720.1	1283	720.8	1300
GR	720.4	1352	726.7	1400	729.5	1408	733.2	1500	735.5	1551
JT	5	930	1640	1940	2700	1940				
X1	2400	12	1268	1300	1900	1900	1900			
GR	743.3	1000	737.3	1100	731.5	1165	729.8	1200	728.6	1268
GR	723.4	1276	722.5	1284	723.0	1290	727.2	1300	731.3	1400
GR	735.3	1452	743.3	1492						
JT	5	920	1620	1920	2680	1920				
X1	3315	12	1111	1141	915	915	915			
GR	747.0	1000	732.9	1096	732.0	1100	732.1	1111	728.1	1116
GR	727.5	1124	728.1	1133	733.2	1141	733.5	1200	735.2	1300

GR	742.3	1400	747.0	1418						
X1	3365	0	0	0	50	50	50		0.1	
NC	0.060	0.060	0.040	0.1	0.3					
X1	3415	24	1747	1771	50	50	50			
GR	753.0	1000	744.9	1100	740.2	1200	738.4	1300	737.9	1400
GR	737.6	1500	738.1	1600	738.1	1700	738.1	1747	730.9	1747
GR	730.9	1748	730.0	1748.1	728.4	1751	728.2	1759	727.2	1765
GR	727.4	1770	730.5	1770.1	730.5	1771	738.2	1771	738.3	1800
GR	759.1	1900	741.3	2000	747.1	2100	753.0	2185		
SB	0.9	1.5	2.5		24	0.01	203			
X1	3435	0	0	0	20	20	20			
X2			1	736.5	737.6					
BT	15	1000	753.0	0	1100	744.9	0	1200	740.2	0
BT	1300	738.4	0	1400	737.9	0	1500	737.6	0	1600
BT	738.1	0	1700	738.1	0	1747	738.1	736.3	1771	738.2
BT	736.5	1800	738.3	0	1900	739.1	0	2000	741.3	0
BT	2100	747.1	0	2185	753.0	0				
NC	0.055	0.055	0.035	0.1	0.3					
X1	3485	12	1111	1141	50	50	50		-0.1	
GR	747.0	1000	732.9	1096	732.0	1100	732.1	1111	728.1	1116
GR	727.5	1124	728.1	1133	733.2	1141	733.5	1200	735.2	1300
GR	742.3	1400	747.0	1418						
X1	3535	0	0	0	50	50	50		0.1	
BT	5	890	1550	1870	2600	1870				
X1	5825	12	1134	1164	2290	2290	2290			
GR	756.0	1000	743.1	1100	741.5	1134	737.0	1142	737.7	1152
GR	736.9	1161	730.8	1164	739.8	1177	745.8	1200	756.0	1261
BT	5	850	1500	1800	2500	1800				
X1	7092	9	1079	1105	1267	1267	1267		-4.2	
GR	768.2	1000	753.2	1054	754.3	1079	750.3	1084	750.1	1092
GR	750.3	1100	753.5	1105	753.6	1114	758.2	1172		
X1	7142	0	0	0	50	50	50		0.3	
NC	0.025	0.025	0.025	0.3	0.5					
X1	7192	12	1400.5	1419.5	50	50	50			
GR	777.8	1000	774.4	1100	774.6	1200	765.1	1300	753.7	1368
GR	753.7	1400.5	750.7	1401.8	749.4	1404.8	750.7	1407.8	753.7	1409
GR	753.7	1411	750.7	1412.3	749.4	1415.3	750.7	1418.3	753.7	1419.5
GR	762.0	1500	774.0	1600	777.8	1615				
SB	0.01	1.5	2		19	2	113.4			
X1	7408	0	0	0	216	216	216			
X2			1	757.9	752.0					
BT	18	1000	777.8	0	1100	774.4	0	1200	774.6	0
BT	1300	755.1	0	1400	762.3	0	1400.5	762.3	753.7	1401.8
BT	762.3	756.7	1404.8	762.5	757.9	1407.8	762.8	756.7	1409	762.8
BT	753.7	1411	762.8	753.7	1412.3	762.8	756.7	1415.3	762.6	757.9
BT	1418.3	762.6	756.7	1419.5	762.6	753.7	1500	752.0	0	1600
BT	774.0	0	1615	777.8	0					
NC	0.055	0.055	0.035	0.1	0.3					
X1	7458	9	1079	1105	50	50	50			
GR	768.2	1000	753.2	1054	754.3	1079	750.3	1084	750.1	1092

GR	750.3	1100	753.5	1105	753.6	1114	768.2	1172		
X1	7508	0	0	0	50	50	50		0.7	
QT	5	840	1490	1790	2490	1790				
X1	80.13	14	1132	1184	905	905	905		-4.8	
GR	779.0	1000	773.0	1048	773.1	1070	766.9	1100	764.4	1115
GR	763.9	1132	759.7	1142	759.4	1147	759.7	1154	760.0	1170
GR	767.0	1184	767.5	1200	778.1	1330	77.0	1312		
X1	9318	0	0	0	905	905	905		3.8	
X1	9343	0	0	0	25	25	25		0.1	
NC	0.060	0.060	0.040	0.1	0.3					
X1	9393	14	1162.5	1181.5	50	50	50			
GR	780.1	1000	774.9	1028	775.7	1055	766.1	1100	765.1	1162.5
GR	759.2	1162.5	759.8	1167.5	758.7	1172.5	758.9	1177.5	759.0	1181.5
GR	765.0	1131.3	766.0	1200	776.6	1300	780.1	1357		
SB	3.1	1.5	2.5		19	0.01	92			
X1	9407	0	0	0	14	14	14			
X2			1	763.8	765.1					
BT	9	1000	720.1	0	1028	774.9	0	1055	775.7	0
BT	1100	766.1	0	1162.5	765.1	763.8	1181.5	765.0	763.5	1200
BT	766.0	0	1300	776.6	0	1357	780.1	0		
NC	0.055	0.055	0.035	0.1	0.3					
X1	9457	14	1132	1184	50	50	50		-0.2	
GR	779.0	1000	773.0	1048	773.1	1070	766.9	1100	764.4	1125
GR	763.9	1132	759.7	1142	759.4	1147	759.7	1154	760.0	1170
GR	767.0	1184	767.5	1200	778.1	1300	779.0	1312		
XJ	9482	0	0	0	25	25	25		0.2	
BT	5	830	1470	1770	2460	1770				
X1	10590	13	1200	1232	1108	1108	1108		-0.3	
GR	786.8	1000	776.6	1100	774.6	1121	771.8	1200	768.6	1207
GR	767.0	1219	766.8	1225	772.3	1232	771.7	1300	776.2	1400
GR	782.8	1500	783.4	1600	786.8	1662				
X1	10640	0	0	0	50	50	50		0.3	
NC	0.025	0.025	0.025	0.1	0.3					
X1	10690	29	1325	1337	50	50	50			
GR	788.8	1000	786.0	1100	781.2	1165	776.3	1212	774.3	1233
GR	773.0	1270	771.5	1312	769.5	1325	768.2	1325.3	767.3	1326
GR	766.8	1327	766.7	1327.8	767.0	1329	767.8	1330	769.5	1330.5
GR	769.5	1331.5	767.6	1332	767.0	1333	766.7	1334.3	766.8	1335
GR	767.3	1336	768.2	1336.7	769.5	1337	772.0	1344	771.4	1412
GR	775.9	1512	782.5	1612	786.4	1700	788.6	1788		
SB	0.9	1.5	2.5	0	8.7	0.01	47.5			
X1	10700	0	0	0	19	19	19			
X2			1	772.2	772.3					
BT	26	1000	788.8		1100	786.0		1200	778.7	
BT	1236	773.6		1300	772.3		1325	772.8	769.5	1325.3
BT	772.8	770.9	1326	772.8	771.6	1327	772.8	772.1	1327.8	772.8
BT	772.2	1329	772.8	771.9	1330	772.8	771.1	1330.5	772.8	769.5
BT	1331.5	772.8	769.5	1332	772.8	771.1	1333	772.8	771.9	1334.3
BT	772.8	772.2	1335	772.8	772.1	1336	772.8	771.6	1336.7	772.8
BT	770.3	1337	772.8	769.5	1400	773.0		1500	776.5	

BT	1600	782.3		1700	786.4		1788	788.6		
NC	0.055	0.055	0.035	0.1	0.3					
X1	10759	13	1200	1232	50	50	50		0.7	
GR	786.8	1000	776.6	1100	774.6	1121	771.8	1200	768.6	1207
GR	767.0	1219	766.8	1225	772.5	1232	771.7	1300	776.2	1400
GR	782.8	1500	783.4	1600	786.8	1662				
X1	10809	0	0	0	50	50	50		0.3	
OT	5	820	1460	1720	2420	1720				
X1	11950	14	1310	1335	1141	1141	1141			
GR	791.1	1900	783.8	1100	777.6	1200	776.0	1300	776.3	1310
GR	772.1	1313	771.5	1319	773.0	1327	776.0	1335	776.5	1400
GR	774.7	1500	785.3	1600	788.3	1627	791.1	1660		
OT	5	760	1320	1620	2250	1620				
X1	13900	13	1357	1382	1950	1950	1950			
GR	799.4	1000	795.1	1100	789.9	1200	785.0	1300	785.6	1357
GR	780.6	1361	780.1	1366	780.4	1379	783.4	1382	783.4	1400
GR	788.5	1500	794.5	1600	799.4	1660				
OT	5	720	1275	1525	2150	1525				
X1	15370	11	1107	1142	1470	1470	1470		-0.2	
GR	806.5	1000	802.2	1084	793.1	1100	791.5	1107	789.0	1109
GR	788.5	1131	789.0	1135	792.0	1142	793.5	1165	804.1	1200
GR	806.5	1226								
X1	15420	0	0	0	50	50	50		0.2	
NC	0.060	0.060	0.040	0.1	0.3					
X1	15470	25	1940	2060	50	50	50			
GR	807.7	1000	807.8	1200	807.9	1400	807.4	1600	807.4	1800
GR	807.9	1940	801.9	1940	794.1	1953	794.1	1966.5	790.2	1980
GR	788.9	1985	788.9	1990	789.9	1993.5	788.9	2001.5	788.7	2006.5
GR	791.6	2020	793.3	2033.5	795.8	2047	801.2	2060	807.9	2060
GR	807.7	2100	805.8	2200	807.5	2259	811.0	2300	822.5	2500
SB	1.25	1.5	2.5	0	44	8	1349	2.5		
X1	15480	0	0	0	10	10	10			
X2			1	805.5	807.4					
BT	17	1000	807.7	0	1100	807.8	0	1200	807.8	0
BT	1300	807.7	0	1400	807.9	0	1500	807.8	0	1600
BT	807.4	0	1700	807.3	0	1800	807.4	0	1900	807.9
BT	805.5	2060	807.9	805.4	2100	807.7	0	2200	808.8	0
BT	2259	807.5	0	2300	811.0	0	2400	818.9	0	2500
BT	822.5	0								
NC	0.055	0.055	0.035	0.1	0.3					
X1	15530	11	1107	1142	50	50	50		0.4	
GR	806.5	1000	802.2	1084	793.1	1100	791.5	1107	789.0	1109
GR	788.5	1131	789.0	1135	792.0	1142	793.5	1165	804.1	1200
GR	806.5	1226								
X1	15580	0	0	0	50	50	50		0.2	
OT	5	720	1275	1525	2150	1525				
X1	16110	12	1352	1412	530	530	530			
GR	808.3	1000	807.3	1100	807.4	1198	803.2	1211	802.0	1300
GR	800.3	1352	793.3	1366	791.9	1381	793.8	1400	793.9	1408
GR	801.7	1412	802.7	1436						

X1 16210	0	0	0	100	100	100		1.3		
NC 0.060	0.060	0.040	0.1	0.3						
X1 16260	19	1368	1409	50	50	50				
GR 809.6	1000	809.9	1100	808.1	1200	803.3	1300	802.3	1368	
GR 797.5	1368	797.6	1377	796.6	1377	794.0	1393	793.8	1400.5	
GR 793.9	1405	796.2	1409	802.5	1409	803.4	1600	803.7	1700	
GR 804.2	1800	797.8	1900	802.6	2000	808.8	2100			
SB 1.25	1.5	2.5		41	2	147				
X1 16295	0	0	0	35	35	35				
X2		1	801.1	802.5						
BT 14	1000	809.6	0	1100	809.9	0	1200	808.1	0	
BT 1300	803.3	0	1368	802.3	801.1	1377	802.3	801.1	1377.1	
BT 802.3	799.1	1409	802.5	799.1	1600	803.4	0	1700	803.7	
BT 0	1800	804.2	0	1900	797.8	0	2000	802.6	0	
BT 2100	808.8	0								
NC 0.055	0.055	0.035	0.1	0.3						
X1 16345	12	1352	1412	50	50	50		2.5		
GR 808.3	1000	807.3	1100	807.4	1198	803.2	1211	802.0	1300	
GR 800.3	1352	793.3	1366	791.9	1381	793.8	1400	793.9	1408	
GP 801.7	1412	802.7	1436							
X1 16445	0	0	0	100	100	100		1.3		
DT 5	660	1190	1450	2000	1450					
X1 17345	13	1197	1257	900	900	900		-1.5		
GR 819.7	1000	804.0	1100	805.1	1197	798.0	1212	797.2	1232	
GR 798.0	1242	804.9	1257	807.1	1300	808.0	1400	809.4	1500	
GR 811.7	1600	815.1	1700	819.7	1749					
NC 0.060	0.060	0.040	0.1	0.3						
X1 17395	22	1637	1743	50	50	50				
GR 822.8	1000	817.4	1100	811.6	1200	807.1	1300	807.2	1400	
GR 807.5	1500	807.9	1600	807.9	1637	802.6	1637	802.6	1639	
GR 798.8	1654.8	796.8	1672.9	798.4	1691	796.4	1709.1	795.1	1711.1	
GR 796.1	1719.1	798.2	1727.2	805.1	1743	807.9	1743	807.9	1800	
GR 809.1	1900	811.6	2000							
SB 1.25	1.5	2.5	0	26	5	653	3.7			
X1 17407	0	0	0	12	12	12				
X2		1	805.1	807.1						
BT 12	1000	822.8	0	1100	817.4	0	1200	811.6	0	
BT 1300	807.1	0	1400	807.2	0	1500	807.3	0	1600	
BT 807.9	0	1637	807.9	805.1	1743	807.9	805.1	1800	807.9	
BT 0	1900	809.1	0	2000	811.6	0				
NC 0.055	0.055	0.035	0.1	0.3						
DT 5	660	1190	1450	2000	1450					
X1 17465	13	1197	1257	53	53	53				
GR 819.7	1000	808.0	1100	805.1	1197	798.0	1212	797.2	1232	
GR 798.0	1242	804.9	1257	807.1	1300	808.0	1400	809.4	1500	
GR 811.7	1600	815.1	1700	819.7	1749					
NC 0.060	0.060	0.040	0.1	0.3						
X1 17510	16	1225.5	1254.5	50	50	50				
GR 819.7	1000	808.2	1100	805.8	1139	806.0	1200	806.0	1225.5	
GR 797.6	1225.5	797.7	1236.6	798.1	1239.8	799.5	1254.5	806.6	1254.5	

GR 807.3	1300	808.0	1400	609.5	1500	812.1	1600	815.4	1700
GR 819.3	1800								
SB 1.05	1.5	2.5		29	2.3	146			
X1 17545	0	0	0	35	35	35			
X2		1	805.3	805.8					
BT 12	1000	819.7	0	1100	808.2	0	1139	805.8	0
BT 1200	806.2	0	1225.5	306.0	805.1	1254.5	806.6	805.3	1300
BT 807.3	0	1400	808.0	0	1500	809.5	0	1600	812.1
BT 0	1700	815.4	0	1800	819.3	0			
NC 0.055	0.055	0.035	0.1	0.3					
X1 17595	13	1197	1257	50	50	50		0.4	
GR 819.7	1000	808.0	1100	805.1	1197	798.0	1212	797.2	1232
GR 798.0	1240	804.9	1257	807.1	1300	808.0	1400	809.4	1500
GR 811.7	1600	815.1	1700	819.7	1749				
X1 17615	16	1258	1300	20	20	20		0.3	
GR 820.4	1000	812.9	1100	808.1	1200	806.7	1258	797.6	1260
GR 797.3	1270	798.8	1280	800.7	1286	806.7	1288	806.8	1300
GR 807.4	1400	807.1	1500	811.2	1600	813.9	1700	817.5	1800
GR 820.4	1872								
NC 0.025	0.025	0.025	0.1	0.3					
X1 17640	17	1290.5	1309.5	25	25	25			
GR 820.4	1000	812.9	1100	808.1	1200	807.5	1288	799.1	1290.5
GR 798.1	1290.5	799.1	1309.5	799.1	1309.5	799.6	1310	801.5	1316
GR 807.5	1310	808.1	1400	808.2	1500	810.6	1600	815.3	1700
GR 818.1	1400	820.4	1857						
SB 0.9	1.5	2.5		19	0.01	121.5			
X1 17760	0	0	0	120	120	120			
X2		1	805.1	807.5					
BT 11	1000	820.4	0	1100	812.9	0	1200	808.1	0
BT 1290.5	807.6	805.1	1309.5	807.6	805.1	1400	808.1	0	1500
BT 808.2	0	1600	810.6	0	1700	815.3	0	1800	818.1
BT 0	1857	820.4	0						
NC 0.055	0.055	0.035	0.1	0.3					
X1 17810	16	1258	1300	50	50	50			
GR 820.4	1000	812.9	1100	808.1	1200	806.7	1258	797.6	1260
GR 797.3	1270	798.8	1280	800.7	1286	806.7	1288	806.8	1300
GR 807.4	1400	807.1	1500	811.2	1600	813.9	1700	817.5	1800
GR 820.4	1872								
BT 5	630	1125	1380	1920	1380				
X1 18906	18	1433	1462	1096	1096	1096		-4.3	
GR 820.1	1000	823.1	1100	815.1	1200	813.3	1300	813.2	1336
GR 813.0	1367	813.0	1433	807.1	1433	806.6	1453	806.6	1462
GR 812.6	1462	813.3	1467	813.1	1568	813.0	1600	817.6	1700
GR 823.8	1800	825.6	1900	828.0	2000				
NC 0.025	0.025	0.025	0.1	0.3					
X1 18930	21	1438.5	1465.5	25	25	25			
GR 828.0	1000	821.0	1100	813.9	1199	812.1	1299	812.1	1299
GR 812.0	1335	811.8	1366	811.8	1432	806.4	1438.5	805.4	1438.5
GR 805.4	1465.5	806.4	1465.5	812.1	1466	811.9	1567	811.8	1599
GR 813.8	1643	815.2	1700	818.4	1800	821.6	1900	824.8	2000



GR 822.0	2100									
SB 1.25	1.5	2.5		27	4	154.6				
X1 19668	0	0	0	738	738	738				
X2		1	812.0	812.2						
BT 14	1000	828.0	0	1100	821.0	0	1200	815.7	0	
BT 1300	812.9	0	1400	812.7	0	1438.5	812.4	812.0	1465.5	
BT 812.3	812.0	1500	812.2	0	1600	812.8	0	1700	815.2	
BT 0	1800	818.4	0	1900	821.6	0	2000	824.8	0	
BT 2100	823.0	0								
NC 0.055	0.055	0.035	0.1	0.3						
X1 19693	18	1433	1462	25	25	25				
GR 828.1	1000	823.1	1100	815.1	1200	813.3	1300	813.2	1336	
GR 813.0	1367	813.0	1433	807.1	1433	806.6	1453	806.6	1462	
GR 812.6	1462	813.3	1467	813.1	1568	813.0	1600	817.6	1700	
GR 823.8	1800	825.6	1900	823.0	2000					
QT 5	599	1078	1311	1869	1311					
X1 20070	17	1330	1349	377	377	377		-1.6		
GR 830.3	1000	820.1	1015	818.5	1100	813.7	1166	815.7	1200	
GR 814.1	1300	814.1	1330	810.1	1332	809.6	1338	810.1	1347	
GR 812.5	1349	817.7	1366	814.8	1400	819.3	1500	823.4	1600	
GR 828.3	1700	830.3	1764							
X1 20095	0	0	0	25	25	25		0.5		
NC 0.060	0.060	0.040	0.1	0.3						
X1 20145	17	1215.3	1270.2	50	50	50				
GR 818.1	1000	816.8	1100	816.1	1200	816.2	1215.8	814.1	1215.8	
GR 810.0	1236.8	809.6	1243.1	810.0	1246.7	810.4	1256.7	813.7	1270.2	
GR 816.0	1270.2	816.1	1300	815.9	1400	815.6	1500	815.6	1600	
GR 815.4	1700	815.0	1800							
SB 1.25	1.5	2.5	0	20	3	131	3.3			
X1 20155	0	0	0	10	10	10				
X2		1	814.1	815.0						
BT 11	1000	818.7	0	1100	815.8	0	1200	816.1	0	
BT 1215.8	816.2	814.1	1270.2	816.0	813.7	1300	816.1	0	1400	
BT 815.9	0	1500	815.6	0	1600	815.6	0	1700	815.4	
BT 0	1800	815.0	0							
NC 0.055	0.055	0.035	0.1	0.3						
X1 20205	17	1330	1349	50	50	50				
GR 830.3	1000	820.1	1015	818.5	1100	813.7	1166	815.7	1200	
GR 814.1	1300	814.1	1330	810.1	1332	809.6	1338	810.1	1347	
GR 812.5	1349	817.7	1366	814.8	1400	819.3	1500	823.4	1600	
GR 828.3	1700	830.3	1764							
X1 20230	0	0	0	25	25	25				
QT 5	594	1071	1303	1859	1303					
X1 20407	0	0	0	177	177	177		0.8		
NC 0.060	0.060	0.040	0.1	0.3						
X1 20457	17	1489.7	1510.3	50	50	50				
GR 834.0	1000	826.6	1100	824.3	1200	819.1	1300	818.1	1400	
GR 818.9	1489.7	812.5	1489.7	810.9	1495.7	811.3	1501.2	810.6	1506.7	
GR 811.8	1510.3	819.2	1510.3	820.6	1600	825.3	1700	828.9	1800	
GR 832.4	1900	834.0	1946							

SB	C.9	1.5	2.5		20.6	0.01	73				
X1	20493	0	0	0	36	36	36				
X2			1	916.3							
BT	12	1000	834.0	0	1100	826.6	0	1200	824.3	0	
BT	1300	819.1	0	1400	818.1	0	1489.7	818.9	815.1	1510.3	
BT	819.2	816.3	1600	820.6	0	1700	825.3	0	1800	828.9	
BT	0	1900	832.4	0	1946	834.0	0				
NC	0.055	0.055	0.035	0.1	0.3						
X1	20543	17	1330	1349	50	50	50		1.3		
GR	830.3	1000	820.1	1015	815.5	1100	813.7	1166	815.7	1200	
GR	814.1	1300	814.1	1330	810.1	1332	809.6	1338	810.1	1347	
GR	812.5	1349	817.7	1366	814.8	1400	819.3	1500	823.4	1600	
GR	828.3	1700	830.3	1764							
X1	20693	0	0	0	150	150	150		0.8		
QT	5	573	1036	1263	1809	1263					
X1	21190	11	1244	1254	497	497	497		-2.6		
GR	839.4	1000	852.3	1100	824.5	1200	822.5	1244	818.4	1251	
GR	817.7	1255	818.4	1262	819.4	1264	834.9	1300	836.7	1500	
GR	839.4	1673									
X1	21240	0	0	0	50	50	50		0.5		
NC	0.025	0.025	0.025	0.1	0.3						
X1	21290	12	1061.6	1082.4	50	50	50				
GR	823.3	1000	823.4	1008	822.8	1017	820.8	1061	820.3	1061.6	
GR	816.0	1061.6	816.0	1082.4	818.3	1082.4	825.1	1098	825.2	1100	
GR	827.0	1200	820.2	1241							
SB	0.9	1.5	2.5		20.8	0.6	141.4				
X1	21308	0	0	0	18	18	18				
X2			1	823.0	823.3						
BT	6	1000	823.3	0	1061.6	824.3	823.0	1082.4	824.7	823.0	
BT	1100	825.2	0	1200	827.0	0	1241	829.2	0		
NC	0.055	0.055	0.035	0.1	0.3						
X1	21358	11	1244	1264	50	50	50		-1.5		
GR	839.4	1000	832.3	1100	824.5	1200	822.5	1244	818.4	1251	
GR	817.7	1255	818.4	1262	819.4	1264	834.9	1300	836.7	1500	
GR	839.4	1673									
X1	21690	0	0	0	332	332	332		1.5		
QT	5	536	979	1198	1728	1198					
X1	21905	0	0	0	295	295	295		2.0		
NC	0.025	0.025	0.025	0.1	0.3						
X1	22035	25	1542.2	1573.7	50	50	50				
GR	848.5	1000	839.0	1200	833.2	1400	832.9	1438	827.7	1506	
GR	824.2	1542.2	821.9	1549.2	820.9	1551.5	821.3	1553.8	824.2	1554.7	
GR	824.2	1557.7	821.9	1558.7	820.9	1561	821.3	1563.3	824.2	1564.2	
GR	824.2	1567.2	821.9	1568.2	820.9	1570.5	821.9	1572.0	824.2	1573.7	
GR	833.0	1593	833.1	1600	834.9	1000	840.0	2000	846.3	2200	
SB	0.9	1.5	2.5	0	15.9	0.01	102.6				
X1	22165	0	0	0	130	130	130				
X2			1	827.4	832.7						
BT	23	1000	848.5	0	1200	839.0	0	1400	833.2	0	
BT	1500	832.7	0	1542.2	822.7	824.2	1549.2	832.7	826.4	1551.5	

BT	832.7	827.4	1553.8	832.7	826.4	1554.7	832.7	824.2	1557.7	832.8
BT	824.2	1558.7	832.8	826.4	1561	832.8	827.4	1563.3	832.8	826.4
BT	1564.2	832.8	824.2	1567.2	832.9	824.2	1568.2	832.9	826.4	1570.5
BT	832.9	827.4	1572.8	832.9	826.4	1573.7	832.9	824.2	1600	833.1
BT	0	1800	834.9	0	2000	840.0	0	2200	846.3	0
NC	0.055	0.055	0.033	0.1	0.3					
X1	22215	11	1244	1264	50	50	50		3.5	
GR	839.4	1000	832.3	1100	824.5	1200	822.5	1244	818.4	1251
GR	817.7	1255	818.4	1262	819.4	1264	834.9	1300	836.7	1500
GR	839.4	1673								
X1	22265	0	0	0	50	50	50		0.3	
BT	5	521	955	1171	1693	1171				
X1	22435	21	1887	1927	170	170	170		-1.0	
GR	850.7	1000	846.6	1100	844.3	1200	843.6	1300	841.5	1400
GR	841.0	1500	847.9	1600	838.7	1700	837.3	1800	836.3	1887
GR	826.7	1898	826.5	1902	827.4	1911	836.3	1927	836.4	2000
GR	836.5	2100	837.4	2200	838.0	2300	840.2	2400	843.0	2500
GR	850.7	2924								
NC	0.025	0.025	0.025	0.3	0.5					
X1	22485	22	1417.2	1436.8	50	50	50			
GR	841.8	1000	840.5	1100	839.4	1200	839.2	1215	838.2	1225
GR	836.8	1325	835.8	1412	830.0	1417.2	827.2	1418.4	826.0	1421.2
GR	827.2	1424	830.0	1425.2	830.0	1428.8	827.2	1430	826.0	1432.8
GR	827.2	1435.6	830.0	1436.8	835.8	1452	835.9	1525	836.0	1625
GR	836.9	1725	838.5	1800						
SB	0.9	1.5	2	0	12.5	0.01	100.48			
X1	22512	0	0	0	27	27	27			
X2			1	834.0	836.5					
BT	19	1000	841.8	0	1100	840.5	0	1200	839.4	0
BT	1300	837.7	0	1400	836.8	0	1417.2	836.7	830.0	1418.4
BT	836.7	832.8	1421.2	836.7	834.0	1424	836.7	832.8	1425.2	836.7
BT	830.0	1428.8	836.6	830.0	1430	836.6	832.8	1432.8	836.6	834.0
BT	1435.6	836.6	832.8	1436.8	836.6	830.0	1500	836.5	0	1600
BT	836.7	0	1700	837.4	0	1800	838.5	0		
NC	0.055	0.055	0.035	0.1	0.3					
X1	22562	21	1887	1927	50	50	50			
GR	850.7	1000	846.6	1100	844.3	1200	843.6	1300	841.5	1400
GR	841.0	1500	847.9	1600	838.7	1700	837.3	1800	836.3	1887
GR	826.7	1898	826.5	1902	827.4	1911	836.3	1927	836.4	2000
GR	836.5	2100	837.4	2200	838.0	2300	840.2	2400	843.0	2500
GR	850.7	2924								
X1	22612	0	0	0	50	50	50			
BT	5	501	923	1134	1646	1134				
X1	22817	0	0	0	205	205	205			
NC	0.025	0.025	0.025	0.1	0.3					
X1	22867	15	1421.2	1432.8	50	50	50			
GR	841.8	1000	840.5	1100	839.4	1200	837.7	1300	836.8	1400
GR	836.7	1413	829.4	1421.2	827.3	1421.2	827.3	1432.8	829.2	1432.8
GR	836.6	1452	836.5	1500	836.7	1600	837.4	1700	838.5	1800
SB	0.9	1.5	2.5		11.6	0.01	92			

X1 23133	0	0	0	266	266	266				
X2		1	835.3							
BT 11	1000	841.8	0	1100	840.5	0	1200	839.4	0	
BT 1300	837.7	0	1400	836.8	0	1421.2	836.6	835.3	1432.8	
BT 836.6	835.3	1500	836.5	0	1600	836.7	0	1700	837.4	
BT 0	1800	838.5	0							
NC 0.055	0.055	0.035	0.1	0.3						
X1 23183	16	1275	1302	50	50	50		-1.6		
GR 847.5	1000	841.6	1010	840.3	1100	839.4	1200	837.4	1275	
GR 829.2	1288	825.0	1292	829.2	1300	832.3	1302	832.7	1400	
GR 832.9	1500	833.6	1600	835.1	1700	838.0	1800	841.7	1900	
GR 847.5	2000									
X1 23260	0	0	0	77	77	77		0.3		
NC 0.025	0.025	0.025	0.3	0.5						
X1 23310	19	1362	1374	50	50	50				
GR 846.9	1000	843.4	1081	840.5	1086	839.2	1176	838.3	1276	
GR 836.3	1351	830.4	1362	827.9	1362	827.9	1374	828.9	1374	
GR 831.2	1378	831.6	1476	831.8	1576	832.5	1676	834.0	1776	
GR 836.9	1876	840.6	1976	846.4	2076	850.8	2100			
SB 0.9	1.5	2	0	12	0.01	96				
X1 23341	0	0	0	31	31	31				
X2		1	835.9							
BT 14	1000	846.9	0	1100	842.6	0	1200	841.0	0	
BT 1300	839.8	0	1362	839.1	835.9	1374	838.8	835.9	1400	
BT 836.1	0	1500	835.0	0	1600	834.3	0	1700	835.3	
BT 0	1800	837.4	0	1900	840.7	0	2000	845.3	0	
BT 2100	850.8	0								
NC 0.055	0.055	0.035	0.1	0.3						
X1 23391	16	1275	1302	50	50	50		-0.8		
GR 847.5	1000	841.6	1010	840.3	1100	839.4	1200	837.4	1275	
GR 829.2	1289	825.0	1292	829.2	1300	832.3	1302	832.7	1400	
GR 832.9	1500	833.6	1600	835.1	1700	838.0	1800	841.7	1900	
GR 847.5	2000									
X1 23541	0	0	0	150	150	150				
QT 5	395	755	942	1403	942					
X1 24113	16	1243	1281	572	572	572		-0.8		
GR 852.7	1000	848.3	1100	844.0	1200	843.0	1243	833.7	1261	
GR 833.0	1267	833.7	1270	838.0	1281	838.2	1300	839.2	1400	
GR 841.5	1500	842.4	1600	843.9	1700	846.2	1800	849.4	1900	
GR 852.7	2000									
X1 24163	0	0	0	50	50	50		0.8		
NC 0.025	0.025	0.025	0.3	0.5						
X1 24213	25	1647	1661	50	50	50				
GR 858.6	1000	856.6	1100	856.7	1200	855.4	1300	852.3	1400	
GR 848.3	1500	844.2	1600	843.8	1630	835.6	1647	833.8	1647	
GR 833.0	1661	835.8	1661	838.8	1668	839.0	1687	840.0	1787	
GR 842.3	1887	843.2	1987	843.4	2000	844.6	2100	846.6	2200	
GR 849.2	2300	851.6	2400	853.9	2500	857.1	2600	858.6	2650	
SB 0.9	1.5	2	0	14	0.01	112				
X1 24237	0	0	0	24	24	24				

X2			1	841.8	842.4						
BT	20	1000	858.6	0	1100	856.6	0	1200	856.7	0	
BT	1300	855.4	0	1400	852.3	0	1500	848.3	0	1600	
BT	844.2	0	1647	843.7	841.8	1661	843.5	841.8	1700	843.1	
BT	0	1800	842.4	0	1900	842.6	0	2000	843.4	0	
BT	2100	844.6	0	2200	846.6	0	2300	849.2	0	2400	
BT	851.6	0	2500	853.9	0	2600	857.1	0	2650	858.6	
BT	0										
NC	0.055	0.055	0.035	0.1	0.3						
X1	24287	16	1243	1281	50	50	50		1.6		
GR	852.7	1000	848.3	1100	844.0	1200	843.0	1243	833.7	1261	
GR	833.0	1267	833.7	1270	838.0	1281	838.2	1300	839.2	1400	
GR	841.5	1500	842.4	1600	843.9	1700	846.2	1800	849.4	1900	
GR	852.7	2000									
X1	24337	0	0	0	50	50	50		0.8		
BT	5	346	671	843	1270	843					
X1	25762	10	1152	1164	1425	1425	1425				
GR	863.2	1000	850.6	1100	849.3	1152	843.6	1156	844.5	1160	
GR	847.7	1164	849.4	1200	853.9	1300	856.3	1400	860.6	1470	
X1	25812	0	0	0	50	50	50		1.7		
NC	0.060	0.060	0.040	0.3	0.5						
X1	25862	18	1552	1678	50	50	50				
GR	882.1	1000	876.8	1100	872.7	1200	870.4	1300	869.0	1400	
GR	867.9	1500	866.9	1600	866.6	1652	847.3	1652	846.9	1657	
GR	847.0	1661	851.0	1670	851.6	1678	866.5	1678	865.8	1700	
GR	864.2	1800	862.6	1900	863.0	1943					
SB	0.3	1.5	2	0	26	0.01	410				
X1	25888	1	0	0	26	26	26				
X2			1	864.8							
BT	13	1000	882.1	0	1100	876.8	0	1200	872.7	0	
BT	1300	876.4	0	1400	869.0	0	1300	867.9	0	1600	
BT	866.9	0	1652	866.6	864.8	1678	866.5	864.7	1700	865.8	
BT	0	1800	864.2	0	1900	862.6	0	1943	863.0	0	
NC	0.055	0.055	0.035	0.1	0.3						
X1	25938	10	1152	1164	50	50	50		5.0		
GR	863.2	1000	856.6	1100	849.3	1152	843.6	1156	844.5	1160	
GR	847.7	1164	849.4	1200	853.9	1300	856.3	1400	860.6	1470	
X1	25988	0	0	0	50	50	50		1.6		
BT	5	304	596	752	1145	752					
X1	26645	12	1169	1185	657	657	657		-1.2		
GR	874.3	1000	865.0	1100	860.1	1169	858.6	1174	855.5	1176	
GR	855.6	1181	860.1	1185	859.3	1200	861.6	1300	865.2	1400	
GR	870.9	1500	874.3	1575							
X1	26695	0	0	0	50	50	50		0.3		
NC	0.025	0.025	0.025	0.1	0.3						
X1	26745	17	1248	1256	50	50	50				
GR	871.9	1000	864.4	1176	859.5	1245	856.6	1248	854.9	1248	
GR	854.9	1256	856.6	1256	859.5	1261	861.0	1376	864.6	1476	
GR	870.3	1576	873.7	1651	875.5	1700	876.6	1800	877.8	1900	
GR	879.0	2000	879.2	2005							

SR	0.9	1.5	2.5		8	0.01	56			
X1	26803	0	0	0	58	58	58			
X2			1	861.9	871.7					
BT	15	1000	871.9	0	1100	871.7	0	1200	872.8	0
BT	1248	873.1	861.9	1256	873.2	861.9	1300	873.5	0	1400
BT	874.0	0	1500	874.2	0	1552	874.2	0	1600	874.7
BT	0	1700	875.5	0	1800	876.6	0	1900	877.8	0
BT	2000	879.0	0	2005	879.2	0				
NC	0.055	0.055	0.035	0.1	0.3					
X1	26853	12	1169	1165	50	50	50		-0.3	
GR	874.3	1000	865.0	1100	860.1	1169	858.6	1174	855.5	1176
GR	855.6	1181	866.1	1185	859.3	1200	861.6	1300	865.2	1400
GR	870.9	1500	874.3	1575						
X1	26903	0	0	0	50	50	50		0.3	
BT	5	175	372	485	781	485				
X1	27350	24	1239	1256	447	447	447			
GR	879.1	1000	870.6	1100	865.2	1200	863.8	1239	866.4	1242
GR	859.9	1246	860.8	1249	864.6	1256	863.9	1300	865.6	1400
GR	867.5	1500	873.5	1600	878.5	1700	879.1	1711		
BT	5	136	294	388	638	388				
X1	28780	15	1593	1639	1430	1430	1430		-0.5	
GR	896.1	1000	893.1	1100	890.7	1200	889.1	1300	887.1	1400
GR	884.0	1500	883.0	1593	873.4	1605	872.6	1608	873.4	1618
GR	883.1	1639	885.7	1700	889.0	1800	889.3	1900	896.1	1998
X1	28850	0	0	0	50	50	50		0.5	
NC	0.025	0.025	0.025	0.1	0.3					
X1	28380	27	1567.2	1570.8	50	50	50			
GR	896.0	1000	893.0	1100	889.3	1200	886.0	1300	883.8	1400
GR	882.9	1500	883.9	1556	876.2	1564	876.2	1567.2	874.9	1567.7
GR	874.4	1569	874.9	1570.3	876.2	1570.8	876.2	1583	883.9	1600
GR	867.9	1700	861.6	1800	892.4	1900	894.0	2000	896.0	2085
SR	0.4	1.5	2.5	0	2.9	0.01	9.62			
X1	28925	0	0	0	45	45	45			
X2			1	877.9	882.9					
BT	17	1000	896.0	0	1100	893.0	0	1200	889.3	0
BT	1300	886.0	0	1400	883.8	0	1500	882.9	0	1567.2
BT	884.1	876.2	1567.7	884.1	877.5	1569	884.2	877.9	1570.3	884.2
BT	877.5	1570.2	884.2	876.2	1600	883.9	0	1700	887.9	0
BT	1000	891.6	0	1900	892.4	0	2000	894.0	0	2085
BT	896.0	0								
NC	0.055	0.055	0.035	0.1	0.3					
X1	28975	15	1593	1739	50	50	50		2.3	
GR	896.1	1000	893.1	1100	890.7	1200	889.1	1300	887.1	1400
GR	884.0	1500	883.0	1593	873.4	1605	872.6	1608	873.4	1618
GR	883.1	1639	885.7	1700	889.0	1800	889.3	1900	896.1	1998
X1	29025	0	0	0	50	50	50		0.5	
BT	5	130	279	368	603	368				
X1	30100	14	1088	1094	1075	1075	1075			
GR	900.2	1000	885.3	1061	884.8	1088	882.8	1089	882.2	1090
GR	882.7	1093	885.3	1094	885.6	1100	885.7	1200	886.3	1300