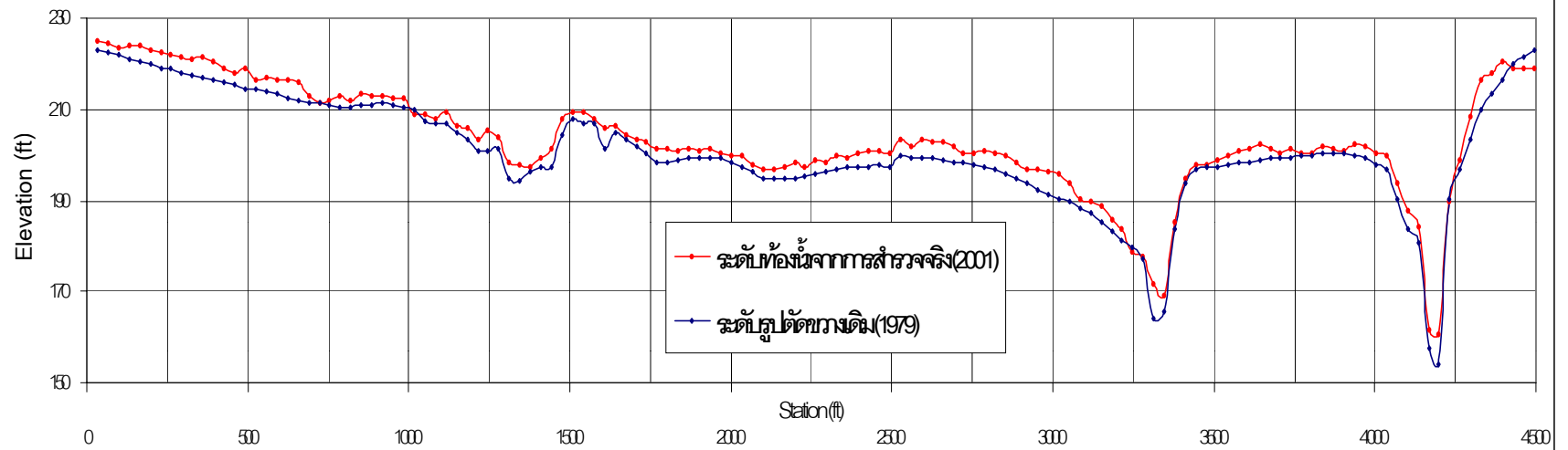


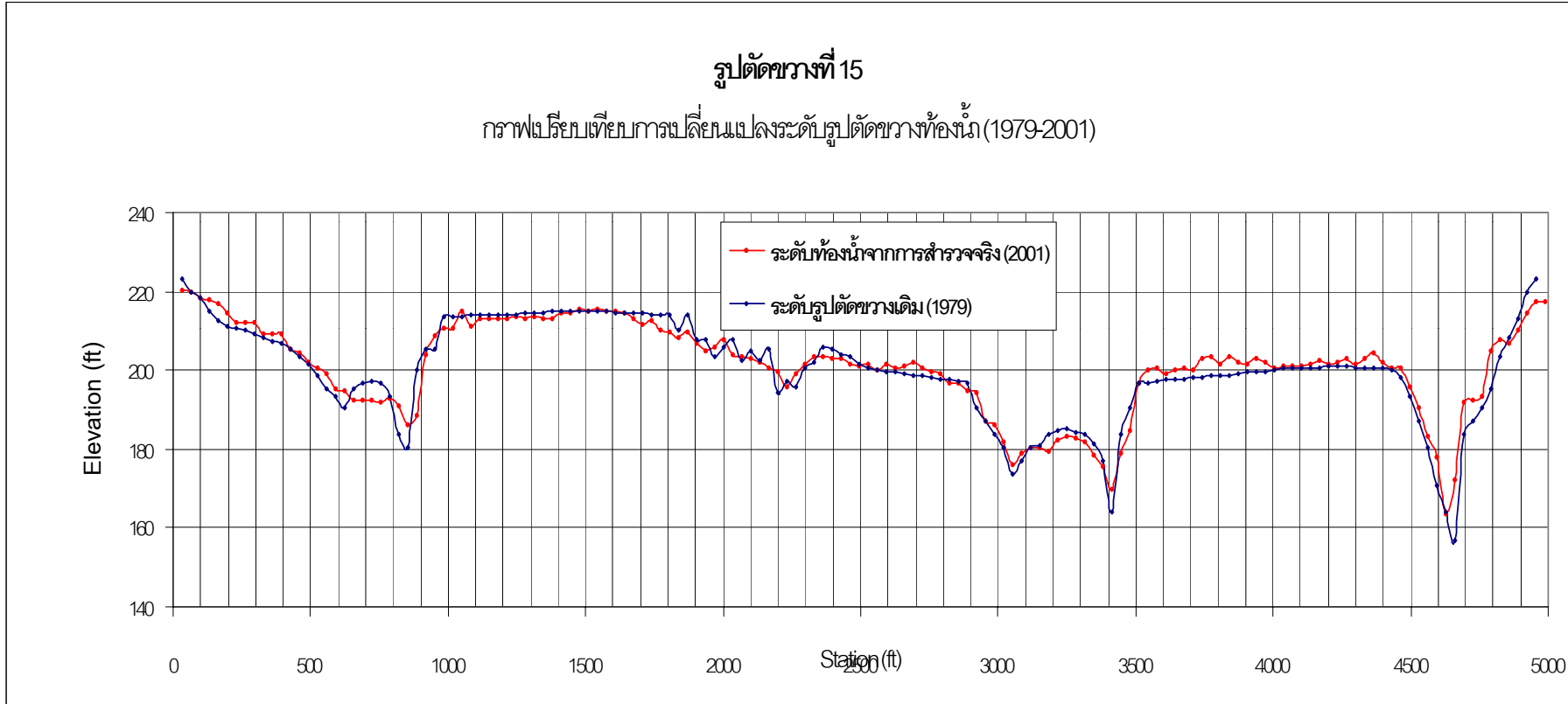
จุดตัดทางที่ 14

กราฟเปรียบเทียบการเปลี่ยนแปลงระดับจุดตัดทางทั้งนี้(1979-2001)



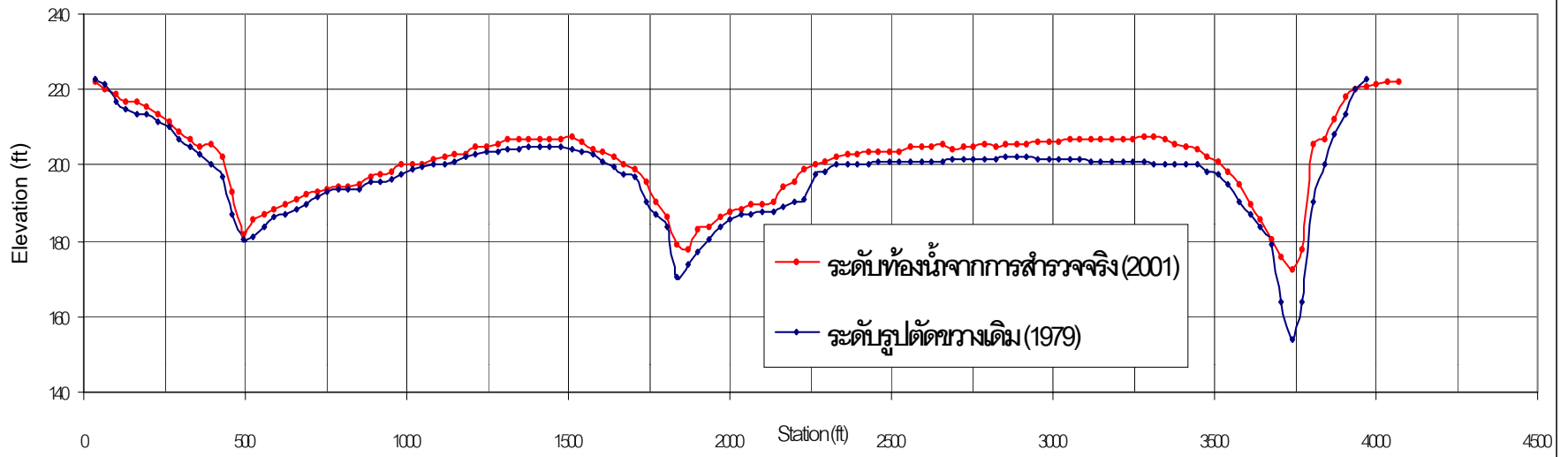
รูปตัดขวางที่ 15

กราฟเปรียบเทียบการเปลี่ยนแปลงระดับรูปตัดขวางท้องน้ำ (1979-2001)



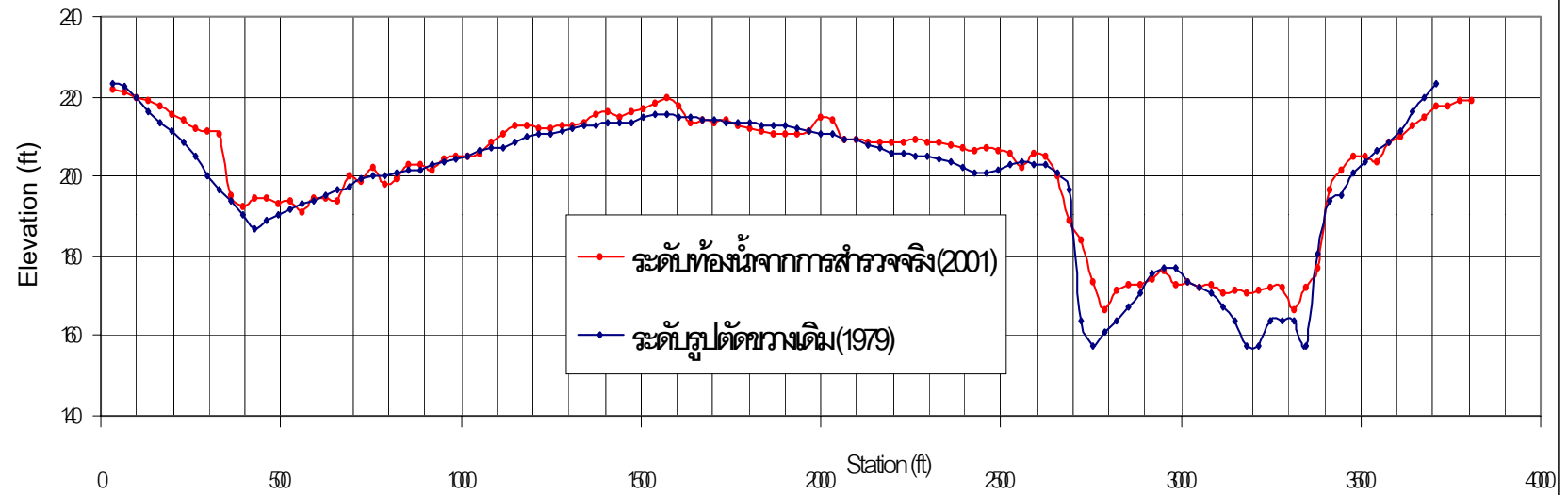
รูปตัดขวางที่ 16

กราฟเปรียบเทียบการเปลี่ยนแปลงระดับรูปตัดขวางท้องน้ำ (1979-2001)



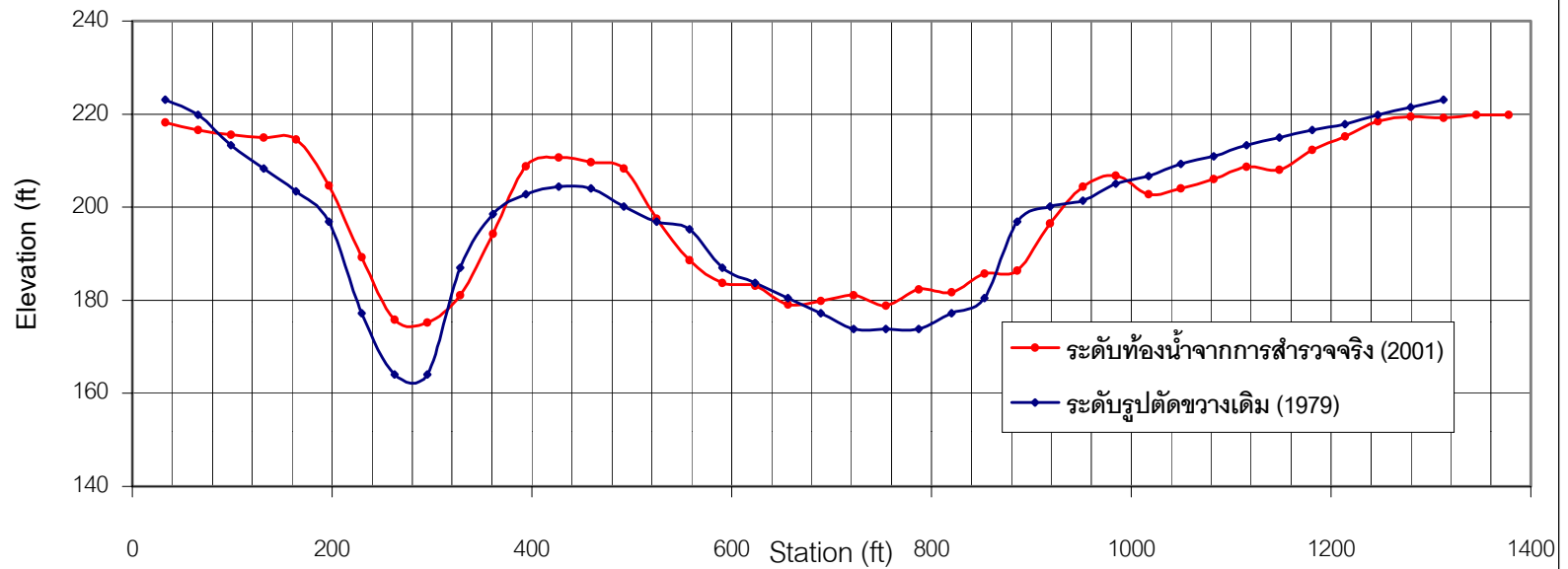
รูปตัดขวางที่ 17

ภาพเปรียบเทียบการเปลี่ยนแปลงระดับรูปตัดขวางท้องน้ำ(1979-2001)



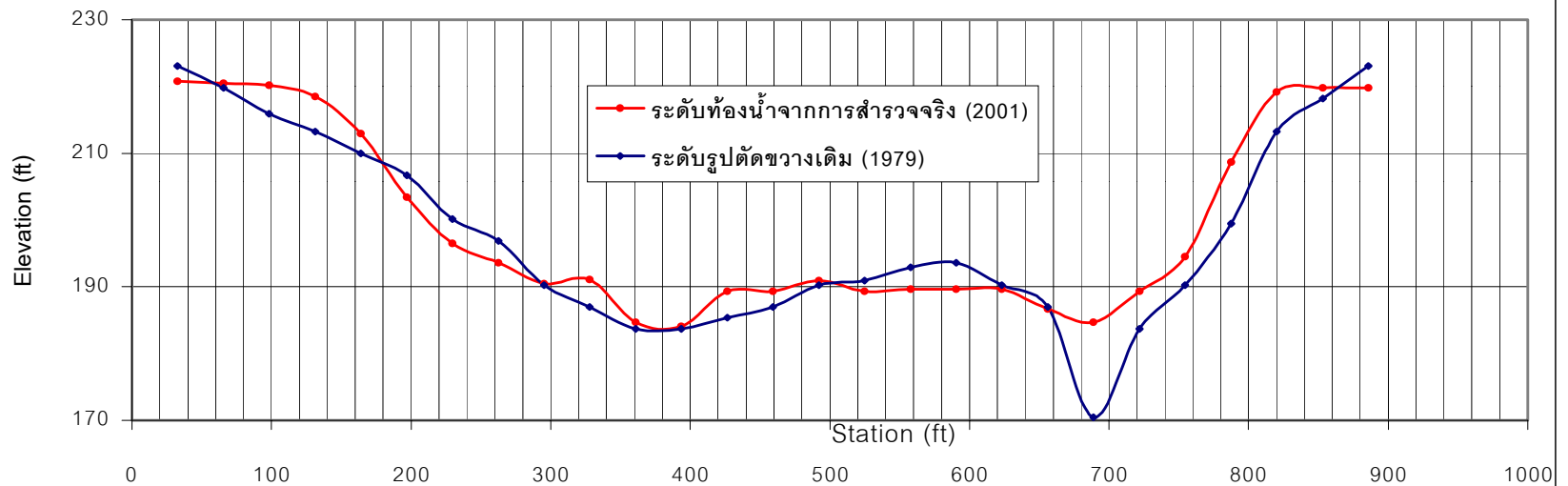
รูปตัดขวางที่ 18

กราฟเปรียบเทียบการเปลี่ยนแปลงระดับรูปตัดขวางท้องน้ำ (1979-2001)



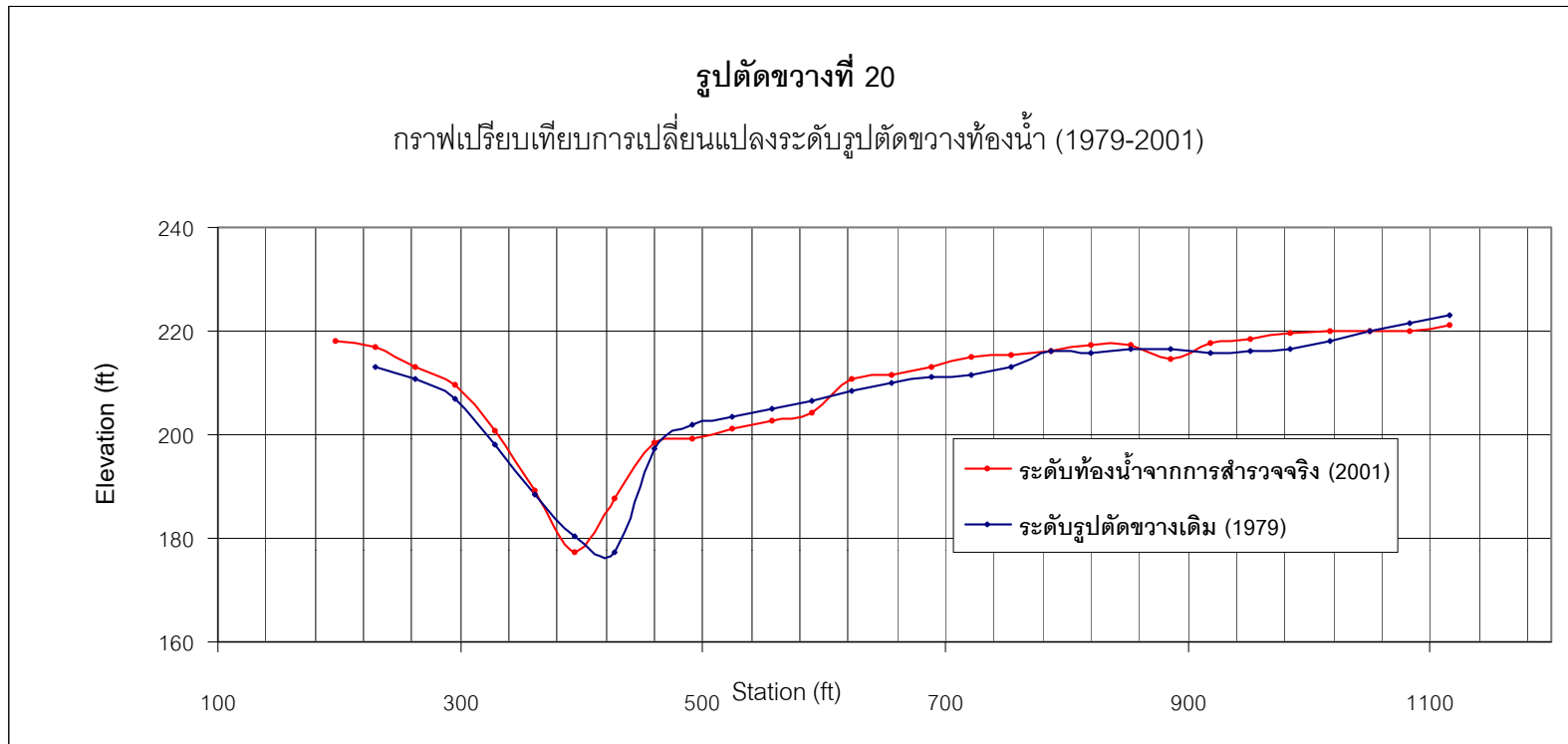
รูปตัดขวางที่ 19

กราฟเปรียบเทียบการเปลี่ยนแปลงระดับรูปตัดขวางท้องน้ำ (1979-2001)



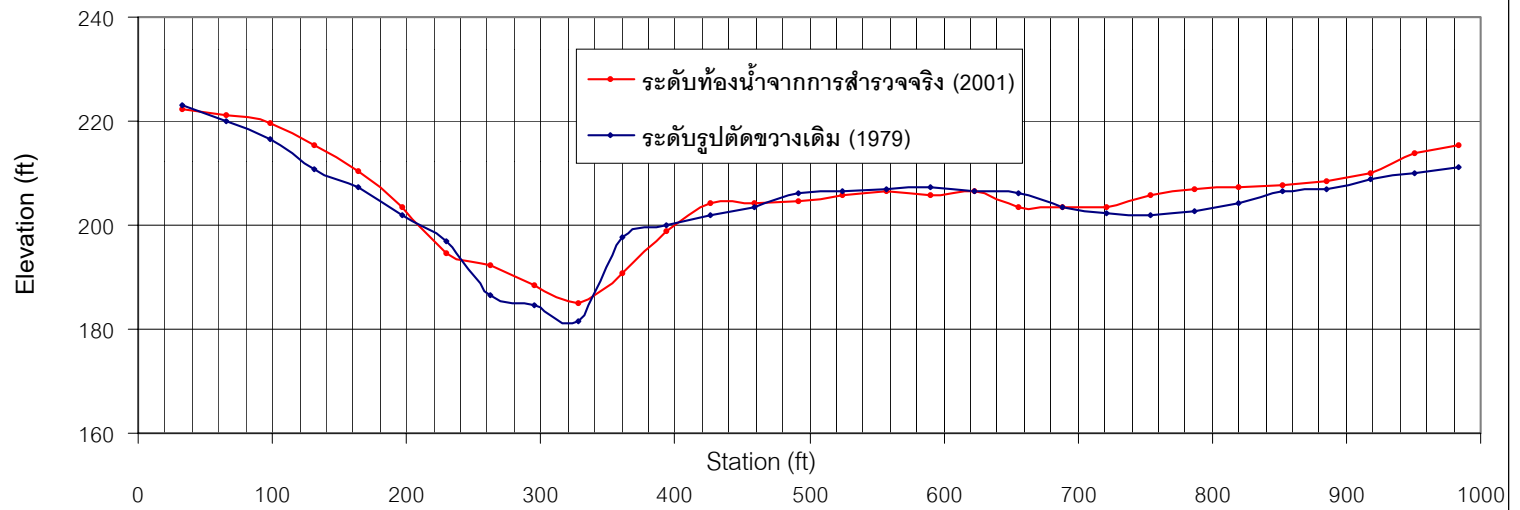
รูปตัดขวางที่ 20

กราฟเปรียบเทียบการเปลี่ยนแปลงระดับรูปตัดขวางท้องน้ำ (1979-2001)



รูปตัดขวางที่ 21

กราฟเปรียบเทียบการเปลี่ยนแปลงระดับรูปตัดขวางท้องน้ำ (1979-2001)



ตาราง ง-2 สัมประสิทธิ์ความขรุขระของลำน้ำชนิดต่าง ๆ

ตัวอย่างข้อมูล INPUT DATA และผลการคำนวณของโปรแกรม HEC-6 กรณีมีการดำเนินงานไป

แล้ว 50 ปี

1. INPUT DATA

T1	KHLONG SADAO DAM.									
T2	1 LOCAL INFLOW AT DOWNSTREAM OF KHLONG SADAO DAM.									
T3	RUN ACCORDING TO OPERATION RULE									
NC	0.04	0.04	0.05	0.1	0.3					
X1	1	64	32.81	2099.74	0	0				
GR223.10	32.81	219.82	65.62	218.18	98.43	216.54	131.23	215.22	164.04	
GR214.24	196.85	213.25	229.66	212.93	262.47	211.61	295.28	210.30	328.08	
GR206.69	360.89	205.71	393.70	205.05	426.51	204.07	459.32	203.41	492.13	
GR201.44	524.93	200.13	557.74	198.82	590.55	197.18	623.36	196.52	656.17	
GR194.88	688.98	193.57	721.78	191.93	754.59	190.29	787.40	188.32	820.21	
GR186.35	853.02	185.37	885.83	183.73	918.64	181.43	951.44	178.81	984.25	
GR175.85	1017.06	172.24	1049.87	167.65	1082.68	165.68	1115.49	163.39	1148.29	
GR159.12	1181.10	155.84	1213.91	149.28	1246.72	147.64	1279.53	143.04	1312.34	
GR149.28	1345.14	157.48	1377.95	160.76	1410.76	162.40	1443.57	164.04	1476.38	
GR168.96	1509.19	173.23	1541.99	170.60	1574.80	164.04	1607.61	154.20	1640.42	
GR157.48	1673.23	160.76	1706.04	164.04	1738.85	170.60	1771.65	178.81	1804.46	
GR183.73	1837.27	187.01	1870.08	190.29	1902.89	196.85	1935.70	200.13	1968.50	
GR203.41	2001.31	209.97	2034.12	216.54	2066.93	226.38	2099.74			
HD	1	0	0	0						
X1	2	71	32.81	2329.40	549.57	672.61	623.39			
GR223.10	32.81	219.82	65.62	216.54	98.43	214.90	131.23	213.25	164.04	
GR210.63	196.85	209.32	229.66	206.69	262.47	204.72	295.28	202.43	328.08	
GR199.48	360.89	198.49	393.70	197.51	426.51	196.85	459.32	194.55	492.13	
GR192.91	524.93	187.99	557.74	187.01	590.55	185.37	623.36	184.06	656.17	
GR182.09	688.98	180.45	721.78	177.17	754.59	175.52	787.40	173.88	820.21	
GR172.24	853.02	170.28	885.83	169.95	918.64	169.62	951.44	168.96	984.25	
GR167.98	1017.06	167.32	1049.87	166.67	1082.68	164.37	1115.49	163.71	1148.29	
GR163.06	1181.10	162.73	1213.91	160.76	1246.72	160.11	1279.53	154.20	1312.34	
GR152.56	1345.14	149.28	1377.95	147.64	1410.76	147.64	1443.57	160.76	1476.38	
GR165.68	1509.19	169.29	1541.99	171.59	1574.80	173.88	1607.61	174.87	1640.42	
GR175.20	1673.23	175.52	1706.04	175.85	1738.85	176.51	1771.65	177.17	1804.46	
GR175.52	1837.27	177.17	1870.08	181.76	1902.89	183.73	1935.70	186.35	1968.50	
GR190.29	2001.31	193.57	2034.12	198.16	2066.93	201.77	2099.74	205.38	2132.55	
GR208.99	2165.35	211.61	2198.16	214.57	2230.97	217.52	2263.78	220.47	2296.59	
GR223.10	2329.40									
HD	2	0	0	0						
X1	3	72	32.81	2362.20	606.99	672.61	623.39			
GR213.25	32.81	209.97	65.62	208.33	98.43	204.07	131.23	202.76	164.04	
GR200.79	196.85	196.85	229.66	196.85	262.47	196.85	295.28	200.13	328.08	
GR200.46	360.89	200.79	393.70	200.79	426.51	200.13	459.32	200.13	492.13	
GR200.13	524.93	200.13	557.74	199.80	590.55	199.80	623.36	199.48	656.17	
GR199.15	688.98	198.82	721.78	197.51	754.59	196.85	787.40	193.57	820.21	
GR190.29	853.02	187.01	885.83	185.37	918.64	177.17	951.44	165.68	984.25	
GR157.48	1017.06	147.64	1049.87	147.64	1082.68	154.20	1115.49	164.04	1148.29	
GR167.32	1181.10	170.60	1213.91	180.45	1246.72	180.75	1279.53	180.45	1312.34	
GR180.45	1345.14	180.45	1377.95	180.45	1410.76	179.46	1443.57	177.82	1476.38	
GR177.17	1509.19	174.54	1541.99	171.26	1574.80	167.32	1607.61	170.60	1640.42	
GR174.54	1673.23	177.17	1706.04	181.10	1738.85	184.71	1771.65	187.01	1804.46	
GR190.29	1837.27	192.91	1870.08	195.21	1902.89	197.18	1935.70	200.13	1968.50	
GR204.07	2001.31	206.69	2034.12	207.35	2066.93	208.99	2099.74	210.30	2132.55	
GR212.93	2165.35	214.90	2198.16	216.86	2230.97	218.18	2263.78	219.82	2296.59	
GR221.78	2329.40	223.10	2362.20							
HD	3	0	0	0						
X1	4	80	32.81	3904.20	1131.95	508.56	902.28			
GR223.10	32.81	221.46	65.62	218.50	131.23	215.22	164.04	208.01	229.66	
GR212.60	262.47	211.61	328.08	211.61	360.89	204.72	426.51	197.83	459.32	
GR196.85	524.93	194.23	557.74	195.54	623.36	193.24	656.17	193.24	721.78	
GR182.41	754.59	181.10	820.21	180.45	853.02	186.02	918.64	183.73	951.44	
GR190.94	1017.06	188.98	1049.87	191.93	1115.49	191.93	1148.29	177.17	1213.91	
GR177.17	1246.72	178.81	1312.34	180.45	1345.14	173.88	1410.76	161.75	1443.57	
GR175.20	1509.19	169.62	1541.99	181.76	1607.61	180.77	1640.42	160.76	1706.04	
GR177.17	1738.85	177.82	1804.46	179.79	1837.27	180.45	1902.89	180.45	1935.70	
GR180.45	2001.31	180.45	2034.12	180.45	2099.74	187.99	2132.55	177.82	2198.16	
GR185.04	2230.97	190.94	2296.59	189.96	2329.40	182.41	2395.01	165.68	2427.82	
GR169.29	2493.44	173.23	2526.25	147.64	2591.86	147.64	2624.67	150.92	2690.29	
GR157.81	2723.10	161.09	2788.71	163.39	2821.52	181.10	2887.14	186.02	2919.95	
GR180.45	2985.56	180.12	3018.37	187.01	3083.99	187.99	3116.80	186.68	3182.41	
GR191.93	3215.22	193.57	3280.84	190.62	3313.65	190.62	3379.27	199.80	3412.07	
GR195.87	3477.69	201.12	3510.50	209.32	3576.12	211.94	3608.92	211.94	3674.54	

GR209.32	3707.35	212.60	3772.97	215.88	3805.77	223.10	3871.39	224.41	3904.20
HD	4	0	0						
X1	5	85	32.81	5544.62	1460.05	935.09	1066.33		
GR223.10	32.81	218.50	98.43	213.25	164.04	209.97	229.66	207.02	295.28
GR200.13	360.89	195.54	426.51	190.29	492.13	187.01	557.74	180.12	623.36
GR180.45	688.98	173.88	754.59	174.87	820.21	176.18	885.83	177.17	951.44
GR183.73	1017.06	173.88	1082.68	173.88	1148.29	180.45	1213.91	174.21	1279.53
GR180.45	1345.14	183.73	1410.76	180.45	1476.38	189.63	1541.99	187.01	1607.61
GR187.01	1673.23	182.09	1738.85	170.60	1804.46	170.60	1870.08	166.67	1935.70
GR166.67	2001.31	163.39	2066.93	155.84	2132.55	177.17	2198.16	178.81	2263.78
GR177.49	2329.40	164.04	2395.01	158.14	2460.63	170.60	2526.25	175.52	2591.86
GR180.77	2657.48	171.92	2723.10	169.95	2788.71	150.59	2854.33	151.90	2919.95
GR158.14	2985.56	160.76	3051.18	167.32	3116.80	152.56	3182.41	155.84	3248.03
GR163.39	3313.65	160.76	3379.27	153.22	3444.88	161.42	3510.50	156.17	3576.12
GR157.48	3641.73	155.18	3707.35	151.90	3772.97	169.29	3838.58	181.43	3904.20
GR183.73	3969.82	180.12	4035.43	180.45	4101.05	182.09	4166.67	181.43	4232.28
GR187.99	4297.90	187.01	4363.52	188.98	4429.13	187.01	4494.75	194.88	4560.37
GR192.91	4625.98	183.73	4691.60	183.73	4757.22	190.29	4822.83	193.57	4888.45
GR195.54	4954.07	197.83	5019.69	205.05	5085.30	208.99	5150.92	218.18	5216.54
GR220.80	5282.15	219.49	5347.77	221.46	5413.39	219.49	5479.00	221.78	5544.62
HD	5	0	0						
X1	6	89	65.62	5839.90	656.20	606.99	623.39		
GR221.46	65.62	223.10	131.23	217.85	196.85	214.57	262.47	215.55	328.08
GR205.05	393.70	198.49	459.32	192.26	524.93	191.60	590.55	188.98	656.17
GR188.98	721.78	189.96	787.40	187.99	853.02	194.88	918.64	202.43	984.25
GR201.44	1049.87	199.80	1115.49	198.49	1181.10	197.51	1246.72	196.52	1312.34
GR195.21	1377.95	194.23	1443.57	193.57	1509.19	186.35	1574.80	185.37	1640.42
GR181.10	1706.04	176.18	1771.65	174.54	1837.27	159.12	1902.89	167.65	1968.50
GR172.57	2034.12	174.54	2099.74	156.17	2165.35	154.53	2230.97	173.88	2296.59
GR176.84	2362.20	179.46	2427.82	180.45	2493.44	178.81	2559.06	178.81	2624.67
GR180.45	2690.29	154.86	2755.91	160.76	2821.52	168.31	2887.14	160.76	2952.76
GR172.57	3018.37	180.45	3083.99	173.23	3149.61	177.82	3215.22	177.17	3280.84
GR183.07	3346.46	187.66	3412.07	188.98	3477.69	190.29	3543.31	190.29	3608.92
GR190.29	3674.54	182.09	3740.16	170.60	3805.77	159.12	3871.39	162.40	3937.01
GR159.12	4002.62	164.04	4068.24	160.76	4133.86	148.62	4199.48	162.40	4265.09
GR173.88	4330.71	177.17	4396.33	182.09	4461.94	175.20	4527.56	176.84	4593.18
GR157.48	4658.79	145.34	4724.41	149.61	4790.03	163.39	4855.64	177.82	4921.26
GR177.17	4986.88	177.82	5052.49	153.87	5118.11	151.25	5183.73	168.31	5249.34
GR187.34	5314.96	187.34	5380.58	193.24	5446.19	193.24	5511.81	196.85	5577.43
GR199.15	5643.04	207.68	5708.66	216.21	5774.28	217.19	5839.90		
HD	6	0	0						
X1	7	84	65.62	5511.81	738.25	1033.52	885.87		
GR222.11	65.62	219.49	131.23	216.54	196.85	213.25	262.47	207.35	328.08
GR203.74	393.70	198.49	459.32	196.85	524.93	196.85	590.55	194.88	656.17
GR193.57	721.78	196.85	727.40	196.85	853.02	196.85	918.64	195.54	984.25
GR194.23	1049.87	193.24	1115.49	191.93	1181.10	189.63	1246.72	187.01	1312.34
GR186.02	1377.95	195.04	1443.57	183.73	1509.19	187.01	1574.80	191.93	1640.42
GR199.48	1706.04	200.13	1771.65	201.12	1837.27	202.76	1902.89	205.05	1968.50
GR208.01	2034.12	211.61	2099.74	214.90	2165.35	216.54	2230.97	216.54	2296.59
GR216.54	2362.20	214.90	2427.82	212.93	2493.44	210.63	2559.06	206.69	2624.67
GR200.13	2690.29	196.85	2755.91	193.57	2821.52	190.94	2887.14	187.01	2952.76
GR182.09	3018.37	175.52	3083.99	170.60	3149.61	164.04	3215.22	170.60	3280.84
GR180.45	3346.46	187.01	3412.07	187.01	3477.69	180.45	3543.31	176.51	3608.92
GR170.60	3674.54	165.68	3740.16	157.48	3805.77	180.45	3871.39	187.01	3937.01
GR191.27	4002.62	192.59	4068.24	193.24	4133.86	193.57	4199.48	193.57	4265.09
GR193.57	4330.71	191.93	4396.33	190.29	4461.94	187.01	4527.56	180.45	4593.18
GR160.76	4658.79	164.04	4724.41	180.45	4790.03	184.38	4855.64	193.57	4921.26
GR198.16	4986.88	201.44	5052.49	205.05	5118.11	208.33	5183.73	211.61	5249.34
GR213.91	5314.96	215.22	5380.58	216.54	5446.19	217.52	5511.81		
HD	7	0	0						
X1	8	74	32.81	2427.82	295.29	164.05	246.08		
GR223.10	32.81	223.10	65.62	222.44	98.43	221.78	131.23	219.82	164.04
GR220.80	196.85	218.83	229.66	219.49	262.47	211.61	295.28	203.41	328.08
GR199.48	360.89	197.51	393.70	193.57	426.51	190.94	459.32	194.23	492.13
GR191.60	524.93	189.63	557.74	183.73	590.55	182.09	623.36	178.15	656.17
GR164.04	688.98	162.73	721.78	162.73	754.59	156.82	787.40	168.64	820.21
GR190.29	853.02	193.57	885.83	193.57	918.64	193.57	951.44	193.57	984.25
GR191.93	1017.06	172.90	1049.87	169.95	1082.68	164.70	1115.49	166.67	1148.29
GR161.42	1181.10	160.11	1213.91	153.87	1246.72	166.01	1279.53	173.88	1312.34
GR188.65	1345.14	190.29	1377.95	191.93	1410.76	193.57	1443.57	193.57	1476.38
GR190.94	1509.19	193.57	1541.99	194.88	1574.80	192.26	1607.61	193.57	1640.42
GR193.57	1673.23	193.57	1706.04	192.91	1738.85	193.57	1771.65	193.57	1804.46
GR193.57	1837.27	190.29	1870.08	187.01	1902.89	178.81	1935.70	167.32	1968.50
GR164.04	2001.31	164.04	2034.12	173.88	2066.93	182.09	2099.74	187.01	2132.55
GR190.29	2165.35	195.21	2198.16	197.51	2230.97	208.33	2263.78	209.97	2296.59
GR208.99	2329.40	211.61	2362.20	221.78	2395.01	222.44	2427.82		
HD	8	0	0						
X1	9	95	32.81	3116.80	541.37	295.29	410.13		
GR223.10	32.81	221.46	65.62	217.19	98.43	213.25	131.23	208.33	164.04
GR204.72	196.85	203.41	229.66	200.13	262.47	198.82	295.28	197.18	328.08
GR177.17	360.89	167.32	393.70	164.04	426.51	183.73	459.32	185.37	492.13
GR187.01	524.93	190.29	557.74	193.57	590.55	193.90	623.36	194.23	656.17

GR194.23	688.98	194.23	721.78	193.90	754.59	193.90	787.40	193.90	820.21
GR193.57	853.02	193.90	885.83	194.23	918.64	194.23	951.44	193.90	984.25
GR192.91	1017.06	190.29	1049.87	187.01	1082.68	183.73	1115.49	181.10	1148.29
GR177.17	1181.10	176.18	1213.91	175.20	1246.72	174.21	1279.53	158.79	1312.34
GR152.56	1345.14	173.88	1377.95	173.88	1410.76	173.88	1443.57	178.81	1476.38
GR186.68	1509.19	187.01	1541.99	187.99	1574.80	188.65	1607.61	187.01	1640.42
GR190.29	1673.23	193.57	1706.04	193.57	1738.85	193.57	1771.65	193.57	1804.46
GR193.57	1837.27	193.57	1870.08	193.57	1902.89	192.91	1935.70	190.29	1968.50
GR187.01	2001.31	183.73	2034.12	180.45	2066.93	177.17	2099.74	168.96	2132.55
GR164.04	2165.35	157.48	2198.16	160.76	2230.97	165.68	2263.78	170.60	2296.59
GR173.88	2329.40	177.17	2362.20	183.40	2395.01	187.01	2427.82	188.65	2460.63
GR190.29	2493.44	193.57	2526.25	196.85	2559.06	197.83	2591.86	200.13	2624.67
GR201.77	2657.48	202.76	2690.29	203.74	2723.10	206.69	2755.91	208.01	2788.71
GR209.97	2821.52	211.29	2854.33	212.60	2887.14	213.57	2919.95	215.88	2952.76
GR216.54	2985.56	218.18	3018.37	219.82	3051.18	222.44	3083.99	224.74	3116.80
HD	9	0	0	0	0	0	0	0	0
X1	10	59	32.81	1935.70	213.27	295.29	262.48		
GR224.74	32.81	221.46	65.62	217.85	98.43	221.46	131.23	216.21	164.04
GR207.68	196.85	196.85	229.66	193.57	262.47	187.01	295.28	180.45	328.08
GR177.17	360.89	173.88	393.70	170.60	426.51	167.32	459.32	164.04	492.13
GR164.04	524.93	164.04	557.74	164.04	590.55	180.45	623.36	183.73	656.17
GR193.57	688.98	193.57	721.78	193.57	754.59	193.57	787.40	193.57	820.21
GR193.57	853.02	193.57	885.83	193.57	918.64	193.57	951.44	195.21	984.25
GR196.85	1017.06	195.21	1049.87	193.57	1082.68	193.57	1115.49	193.57	1148.29
GR193.57	1181.10	193.57	1213.91	193.57	1246.72	191.27	1279.53	187.01	1312.34
GR183.73	1345.14	177.17	1377.95	164.04	1410.76	164.04	1443.57	167.98	1476.38
GR174.87	1509.19	178.48	1541.99	187.01	1574.80	196.85	1607.61	196.85	1640.42
GR207.68	1673.23	221.46	1706.04	221.46	1738.75	219.49	1771.65	223.10	1804.46
GR221.46	1837.27	223.10	1870.08	224.74	1902.89	228.02	1935.70		
HD	10	0	0	0	0	0	0	0	0
X1	11	59	32.81	1935.70	1066.33	328.10	492.15		
GR223.10	32.81	221.46	65.62	217.85	98.43	215.22	131.23	205.05	164.04
GR204.07	196.85	203.41	229.66	201.12	262.47	201.44	295.28	201.77	328.08
GR200.79	360.89	203.41	393.70	204.40	426.51	205.71	459.32	206.69	492.13
GR207.35	524.93	208.33	557.74	212.60	590.55	213.25	623.36	213.25	656.17
GR213.58	688.98	213.58	721.78	213.25	754.59	212.93	787.40	212.60	820.21
GR210.63	853.02	209.97	885.83	206.69	918.64	203.41	951.44	200.13	984.25
GR177.17	1017.06	173.88	1049.87	180.45	1082.68	185.37	1115.49	188.65	1148.29
GR191.93	1181.10	196.85	1213.91	197.18	1246.72	197.51	1279.53	196.85	1312.34
GR173.88	1345.14	155.18	1377.95	167.32	1410.76	170.60	1443.57	173.88	1476.38
GR175.52	1509.19	177.17	1541.99	178.81	1574.80	185.37	1607.61	188.65	1640.42
GR189.63	1673.23	192.26	1706.04	196.85	1738.85	199.80	1771.65	205.05	1804.46
GR212.60	1837.27	211.94	1870.08	218.83	1902.89	222.11	1935.70		
HD	11	0	0	0	0	0	0	0	0
X1	12	93	32.81	3051.18	344.51	172.25	213.27		
GR223.10	32.81	223.10	65.62	221.78	98.43	222.44	131.23	220.80	164.04
GR218.83	196.85	221.46	229.66	219.49	262.47	215.88	295.28	218.18	328.08
GR213.91	360.89	213.58	393.70	199.48	426.51	197.51	459.32	190.94	492.13
GR188.65	524.93	188.98	557.74	188.65	590.55	186.68	623.36	188.65	656.17
GR186.68	688.98	184.71	721.78	185.37	754.59	185.37	787.40	182.09	820.21
GR186.02	853.02	195.87	885.83	196.85	918.64	200.13	951.44	198.16	984.25
GR198.16	1017.06	195.54	1049.87	195.54	1082.68	188.98	1115.49	190.94	1148.29
GR186.35	1181.10	187.01	1213.91	188.98	1246.72	187.99	1279.53	188.65	1312.34
GR187.01	1345.14	187.99	1377.95	184.71	1410.76	181.43	1443.57	177.49	1476.38
GR180.45	1509.19	169.29	1541.99	175.52	1574.80	176.18	1607.61	183.40	1640.42
GR191.60	1673.23	194.88	1706.04	198.16	1738.85	200.13	1771.65	198.82	1804.46
GR198.82	1837.27	192.91	1870.08	195.54	1902.89	196.85	1935.70	193.57	1968.50
GR182.74	2001.31	168.64	2034.12	191.60	2066.93	195.21	2099.74	196.85	2132.55
GR197.51	2165.35	197.83	2198.16	198.16	2230.97	198.49	2263.78	198.16	2296.59
GR197.83	2329.40	197.51	2362.20	193.57	2395.01	187.01	2427.82	180.45	2460.63
GR157.48	2493.44	157.48	2526.25	180.45	2559.06	185.37	2591.86	188.65	2624.67
GR193.57	2657.48	196.85	2690.29	200.13	2723.10	203.41	2755.91	206.04	2788.71
GR208.33	2821.52	209.32	2854.33	211.61	2887.14	214.24	2919.95	216.54	2952.76
GR218.83	2985.56	220.47	3018.37	223.10	3051.18				
HD	12	0	0	0	0	0	0	0	0
X1	13	91	32.81	2985.56	213.27	155.85	164.05		
GR223.10	32.81	222.44	65.62	221.78	98.43	220.80	131.23	220.47	164.04
GR219.82	196.85	219.49	229.66	217.85	262.47	216.54	295.28	215.22	328.08
GR213.58	360.89	212.93	393.70	211.61	426.51	210.63	459.32	209.65	492.13
GR208.99	524.93	207.68	557.74	207.02	590.55	206.04	623.36	204.07	656.17
GR202.76	688.98	200.46	721.78	198.49	754.59	196.85	787.40	196.19	820.21
GR193.57	853.02	191.93	885.83	190.29	918.64	193.57	951.44	191.93	984.25
GR190.29	1017.06	190.29	1049.87	191.93	1082.68	186.35	1115.49	186.02	1148.29
GR180.45	1181.10	180.45	1213.91	184.06	1246.72	185.37	1279.53	186.68	1312.34
GR187.01	1345.14	187.34	1377.95	187.99	1410.76	190.29	1443.57	190.94	1476.38
GR191.93	1509.19	193.57	1541.99	195.21	1574.80	196.85	1607.61	196.85	1640.42
GR196.85	1673.23	197.51	1706.04	197.18	1738.85	196.85	1771.65	193.57	1804.46
GR190.29	1837.27	187.01	1870.08	174.87	1902.89	164.70	1935.70	187.01	1968.50
GR191.93	2001.31	195.21	2034.12	196.85	2066.93	197.51	2099.74	197.83	2132.55
GR198.16	2165.35	198.49	2198.16	198.82	2230.97	198.16	2263.78	197.83	2296.59
GR197.51	2329.40	196.85	2362.20	190.29	2395.01	187.01	2427.82	183.73	2460.63
GR180.45	2493.44	165.68	2526.25	157.48	2559.06	153.22	2591.86	152.56	2624.67

GR177.49	2657.48	190.29	2690.29	193.57	2723.10	209.32	2755.91	213.25	2788.71
GR214.90	2821.52	217.19	2854.33	219.16	2887.14	219.82	2919.95	221.46	2952.76
GR223.10	2985.56								
HD	13	0	0	0					
X1	14	92	32.81	4494.75	676.61	164.05	311.70		
GR223.10	32.81	222.44	65.62	221.13	131.23	220.47	164.04	219.16	229.66
GR218.83	262.47	217.52	328.08	216.86	360.89	215.88	426.51	215.22	459.32
GR214.24	524.93	213.91	557.74	212.60	623.36	211.94	656.17	211.29	721.78
GR210.96	754.59	210.63	820.21	210.96	853.02	211.29	918.64	210.96	951.44
GR209.97	1017.06	207.35	1049.87	206.69	1115.49	205.05	1148.29	200.79	1213.91
GR200.79	1246.72	194.88	1312.34	194.23	1345.14	197.51	1410.76	197.51	1443.57
GR207.68	1509.19	207.02	1541.99	201.44	1607.61	205.05	1640.42	201.77	1706.04
GR200.13	1738.85	198.16	1804.46	198.82	1837.27	199.48	1902.89	199.48	1935.70
GR198.49	2001.31	197.51	2034.12	194.88	2099.74	194.55	2132.55	194.88	2198.16
GR195.21	2230.97	196.19	2296.59	196.85	2329.40	197.51	2395.01	197.51	2427.82
GR197.51	2493.44	199.80	2526.25	199.48	2591.86	199.15	2624.67	198.49	2690.29
GR198.16	2723.10	197.51	2788.71	196.85	2821.52	194.55	2887.14	193.57	2919.95
GR191.27	2985.56	190.29	3018.37	188.32	3083.99	187.01	3116.80	183.40	3182.41
GR181.10	3215.22	177.17	3280.84	164.04	3313.65	183.73	3379.27	193.57	3412.07
GR197.18	3477.69	197.51	3510.50	198.16	3576.12	198.49	3608.92	199.15	3674.54
GR199.15	3707.35	199.80	3772.97	199.80	3805.77	200.13	3871.39	200.13	3904.20
GR199.15	3969.82	197.83	4002.62	190.29	4068.24	183.73	4101.05	157.48	4166.67
GR154.20	4199.48	196.85	4265.09	203.41	4297.90	213.25	4363.52	216.54	4396.33
GR221.46	4461.94	223.10	4494.75						
HD	14	0	0	0					
X1	15	76	32.81	4954.07	623.39	180.46	295.29		
GR223.10	32.81	214.90	131.23	210.96	196.85	209.97	262.47	208.33	328.08
GR206.69	393.70	203.41	459.32	198.49	524.93	193.57	590.55	195.21	656.17
GR197.18	721.78	193.57	787.40	180.45	853.02	205.38	918.64	213.58	984.25
GR213.58	1049.87	214.24	1115.49	214.24	1181.10	214.24	1246.72	214.57	1312.34
GR214.90	1377.95	214.90	1443.57	214.90	1509.19	214.90	1574.80	214.57	1640.42
GR214.57	1706.04	214.24	1771.65	209.97	1837.27	207.68	1902.89	203.41	1968.50
GR207.68	2034.12	205.05	2099.74	205.38	2165.35	197.18	2230.97	200.79	2296.59
GR206.04	2362.20	204.07	2427.82	201.77	2493.44	200.13	2559.06	199.48	2624.67
GR198.82	2690.29	198.16	2755.91	197.51	2821.52	196.85	2887.14	187.01	2952.76
GR180.45	3018.37	177.17	3083.99	180.77	3149.61	184.71	3215.22	184.38	3280.84
GR181.43	3346.46	164.04	3412.07	190.29	3477.69	196.85	3543.31	197.51	3608.92
GR197.83	3674.54	198.16	3740.16	198.49	3805.77	199.15	3871.39	199.48	3937.01
GR200.13	4002.62	200.46	4068.24	200.79	4133.86	201.12	4199.48	201.12	4265.09
GR200.79	4330.71	200.46	4396.33	198.16	4461.94	187.01	4527.56	170.60	4593.18
GR156.82	4658.79	187.01	4724.41	195.21	4790.03	208.33	4855.64	219.82	4921.26
GR223.10	4954.07								
HD	15	0	0	0					
X1	16	81	32.81	3969.82	639.80	311.70	459.34		
GR223.10	32.81	221.46	65.62	214.90	131.23	213.58	164.04	211.61	229.66
GR209.97	262.47	205.05	328.08	202.76	360.89	196.85	426.51	187.01	459.32
GR180.77	524.93	183.73	557.74	187.01	623.36	188.65	656.17	191.93	721.78
GR192.91	754.59	193.57	820.21	193.57	853.02	195.54	918.64	196.52	951.44
GR198.82	1017.06	199.48	1049.87	200.46	1115.49	201.12	1148.29	203.08	1213.91
GR203.41	1246.72	204.07	1312.34	204.40	1345.14	205.05	1410.76	205.05	1443.57
GR204.40	1509.19	203.41	1541.99	201.12	1607.61	199.80	1640.42	196.85	1706.04
GR190.29	1738.85	183.73	1804.46	170.60	1837.27	177.17	1902.89	180.45	1935.70
GR185.37	2001.31	187.01	2034.12	187.66	2099.74	187.99	2132.55	190.29	2198.16
GR190.94	2230.97	198.49	2296.59	200.13	2329.40	200.46	2395.01	200.46	2427.82
GR200.79	2493.44	200.79	2526.25	201.12	2591.86	201.12	2624.67	201.44	2690.29
GR201.44	2723.10	201.77	2788.71	201.77	2821.52	202.10	2887.14	202.10	2919.95
GR201.77	2985.56	201.77	3018.37	201.44	3083.99	201.12	3116.80	201.12	3182.41
GR201.12	3215.22	200.79	3280.84	200.46	3313.65	200.46	3379.27	200.46	3412.07
GR198.49	3477.69	197.51	3510.50	190.29	3576.12	187.01	3608.92	178.81	3674.54
GR164.04	3707.35	164.04	3772.97	190.29	3805.77	208.33	3871.39	213.25	3904.20
GR223.10	3969.82								
HD	16	0	0	0					
X1	17	85	32.81	3707.35	1017.11	771.04	787.44		
GR223.10	32.81	222.44	65.62	219.82	98.43	213.25	164.04	211.61	196.85
GR208.33	229.66	200.13	295.28	196.85	328.08	193.57	360.89	187.01	426.51
GR188.65	459.32	190.29	492.13	192.91	557.74	193.57	590.55	195.21	623.36
GR197.51	688.98	199.48	721.78	199.80	754.59	200.79	820.21	201.44	853.02
GR201.77	885.83	203.41	951.44	204.07	984.25	205.05	1017.06	207.02	1082.68
GR207.35	1115.49	208.66	1148.29	210.63	1213.91	210.96	1246.72	211.61	1279.53
GR212.60	1345.14	212.93	1377.95	213.25	1410.76	213.58	1476.38	214.90	1509.19
GR215.22	1541.99	214.90	1607.61	214.57	1640.42	214.24	1673.23	213.25	1738.85
GR213.25	1771.65	213.25	1804.46	212.60	1870.08	212.60	1902.89	212.27	1935.70
GR210.96	2001.31	210.63	2034.12	209.32	2066.93	208.01	2132.55	207.35	2165.35
GR206.04	2198.16	205.38	2263.78	204.72	2296.59	204.07	2329.40	202.10	2395.01
GR200.79	2427.82	201.12	2460.63	203.08	2526.25	203.41	2559.06	203.08	2591.86
GR201.12	2657.48	196.85	2690.29	164.04	2723.10	160.76	2788.71	164.04	2821.52
GR167.32	2854.33	175.52	2919.95	177.17	2952.76	177.17	2985.56	172.24	3051.18
GR170.60	3083.99	167.32	3116.80	157.48	3182.41	157.48	3215.22	164.04	3248.03
GR164.04	3313.65	157.48	3346.46	180.45	3379.27	195.54	3444.88	200.79	3477.69
GR203.41	3510.50	208.33	3576.12	211.61	3608.92	215.88	3641.73	223.10	3707.35
HD	17	0	0	0					
X1	18	40	32.81	1312.34	1279.59	1640.50	1394.43		

N		0.058	0.232	0.289	0.100	0.063	0.137	0.032	0	0
N		0								
N	9	1	0.0262	0.0156	0.99	0	0	0	0.053	0.036
N		0.058	0.232	0.289	0.100	0.063	0.137	0.032	0	0
N		0								
N	10	1	0.0262	0.0156	0.99	0	0	0	0.053	0.036
N		0.058	0.232	0.289	0.100	0.063	0.137	0.032	0	0
N		0								
N	11	1	0.0262	0.0156	0.99	0	0	0	0.053	0.036
N		0.058	0.232	0.289	0.100	0.063	0.137	0.032	0	0
N		0								
N	12	1	0.0262	0.0156	0.99	0	0	0	0.053	0.036
N		0.058	0.232	0.289	0.100	0.063	0.137	0.032	0	0
N		0								
N	13	1	0.0262	0.0156	0.99	0	0	0	0.053	0.036
N		0.058	0.232	0.289	0.100	0.063	0.137	0.032	0	0
N		0								
N	14	1	0.0262	0.0156	0.99	0	0	0	0.053	0.036
N		0.058	0.232	0.289	0.100	0.063	0.137	0.032	0	0
N		0								
N	15	1	0.0525	0.0268	0.99	0	0	0	0	0
N		0.001	0.007	0.229	0.189	0.121	0.253	0.179	0.021	0
N		0								
N	16	1	0.0525	0.0268	0.99	0	0	0	0	0
N		0.001	0.007	0.229	0.189	0.121	0.253	0.179	0.021	0
N		0								
N	17	1	0.0525	0.0268	0.99	0	0	0	0	0
N		0.001	0.007	0.229	0.189	0.121	0.253	0.179	0.021	0
N		0								
N	18	1	0.0525	0.0268	0.99	0	0	0	0	0
N		0.001	0.007	0.229	0.189	0.121	0.253	0.179	0.021	0
N		0								
N	19	1	0.0525	0.0268	0.99	0	0	0	0	0
N		0.001	0.007	0.229	0.189	0.121	0.253	0.179	0.021	0
N		0								
N	20	1	0.0525	0.0268	0.99	0	0	0	0	0
N		0.001	0.007	0.229	0.189	0.121	0.253	0.179	0.021	0
N		0								
N	21	1	0.0525	0.0268	0.99	0	0	0	0	0
N		0.001	0.007	0.229	0.189	0.121	0.253	0.179	0.021	0
N		0								

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* AB APR. YEAR 2591
Q 46.402
W 30
* TIME STEP APR.- 570 DAYS
Q 46.402
R 182.09
T 77
X 30 570
*
MAY
Q 83.410
W 31
* TIME STEP MAY.- 589 DAYS
Q 83.410
R 183.40
T 77
X 31 589
*
JUNE
Q 59.044
W 30
* TIME STEP JUNE- 570 DAYS
Q 59.044
R 182.75
T 77
X 30 570
*
JULY
Q 71.404
W 31
* TIME STEP JULY- 589 DAYS
Q 71.404
R 183.07
T 77
X 31 589
*
AUG.
Q 77.089
W 31
* TIME STEP AUG.- 589 DAYS
Q 77.089
R 183.24
T 77
X 31 589

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*      SEP.
Q 119.11
W      30
*      TIME STEP SEP.- 570 DAYS
Q 119.11
R 184.39
T      77
X              30      570
*      OCT.
Q 264.75
W      31
*      TIME STEP OCT.- 589 DAYS
Q 264.75
R 185.70
T      77
X              31      589
*      NOV.
Q 344.66
W      30
*      TIME STEP NOV.- 570 DAYS
Q 344.66
R 187.34
T      77
X              30      570
*      DEC.
Q 263.86
W      31
*      TIME STEP DEC.- 589 DAYS
Q 263.86
R 185.96
T      77
X              31      589
*      JAN.
Q 47.956
W      31
*      TIME STEP JAN.- 589 DAYS
Q 47.956
R 182.22
T      77
X              31      589
*      FEB.
Q 32.241
W      28
*      TIME STEP FEB.- 532 DAYS
Q 32.241
R 181.83
T      77
X              28      532
Q 46.402
W      31
*      TIME STEP MAR.- 589 DAYS
Q 46.402
R 181.60
T      77
X              31      589
Q 46.402
W      30
*      TIME STEP APR.- 1500 DAYS
Q 46.402
R 223.09
T      77
X              30      1500
*      MAY
Q 83.410
W      31
*      TIME STEP MAY.- 1581 DAYS
Q 83.410
R 223.09
T      77
X              31      1581
*      JUNE
Q 59.044
W      30
*      TIME STEP JUNE- 1530 DAYS
Q 59.044
R 223.09
T      77
X              30      1530
*      JULY
Q 71.404
W      31
*      TIME STEP JULY- 1581 DAYS

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Q 71.404
 R 223.09
 T 77
 X 31 1581
 * AUG.
 Q 77.089
 W 31
 * TIME STEP AUG.- 1581 DAYS
 Q 77.089
 R 223.09
 T 77
 X 31 1581
 * SEP.
 Q 119.11
 W 30
 * TIME STEP SEP.- 1530 DAYS
 Q 119.11
 R 223.09
 T 77
 X 30 1530
 * OCT.
 Q 264.75
 W 31
 * TIME STEP OCT.- 1581 DAYS
 Q 264.75
 R 223.09
 T 77
 X 31 1581
 * NOV.
 Q 344.66
 W 30
 * TIME STEP NOV.- 1530 DAYS
 Q 344.66
 R 223.09
 T 77
 X 30 1530
 * DEC.
 Q 263.86
 W 31
 * TIME STEP DEC.- 1581 DAYS
 Q 263.86
 R 223.09
 T 77
 X 31 1581
 * JAN.
 Q 47.956
 W 31
 * TIME STEP JAN.- 1550 DAYS
 Q 47.956
 R 223.09
 T 77
 X 31 1550
 * FEB.
 Q 32.241
 W 28
 * TIME STEP FEB.- 1400 DAYS
 Q 32.241
 R 223.09
 T 77
 X 28 1400
 * B MAR. END OF YEAR 2591
 Q 46.402
 W 31
 * TIME STEP MAR.- 1607 DAYS
 Q 46.402
 R 223.09
 T 77
 X 31 1607
 \$\$END