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Report No. 82-5
July 1982

Winter Flow, Ice and Weather Conditions of the Upper St. Lawrence River, 1971-81 Volume IV: Air Temperature and Precipitation

Hung Tao Shen
Poojitha N.D.D. Yapa

Department of Civil and Environmental Engineering
Clarkson College, Potsdam, New York 13676

Prepared with the support of
Great Lakes Environmental Research Laboratory
National Oceanic and Atmospheric Administration
U.S. Department of Commerce

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WINTER FLOW, ICE, AND WEATHER CONDITIONS OF
THE UPPER ST. LAWRENCE RIVER, 1971-81

VOLUME IV: AIR TEMPERATURE AND PRECIPITATION

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ABSTRACT

The International Section of the St. Lawrence River between Kingston and the Moses-Saunders Power Dam near Massena is the outlet of the Great Lakes. This river is being utilized for hydro-power production and serves as the only navigation passage for shipping between the Atlantic Ocean and the Great Lakes. The river flow is regulated by the Power Dam, which is part of the St. Lawrence Project completed in 1959 as a joint venture of the United States and Canada. Planning for the winter flow regulation is closely related to the ice conditions in the river, which effect both the amount of power generated and the length of navigation season.

Due to interest in the effective utilization of the St. Lawrence, a number of agencies are engaged in collecting flow and ice data on the river. These data provide a valuable data base for ice modeling and management. In this four volume report, information on flow, ice, and weather conditions are assembled for winters between 1971 and 1981. Data for the four month period between December 1st and April 30th of each year are included. Major sources of data upon which this report is based are as follows:

<u>Agency</u>	<u>Data</u>
Power Authority of the State of New York, Massena	Water levels, discharge, and water temperatures.
St. Lawrence Seaway Authority, Cornwall	Ice thickness data.

<u>Agency</u>	<u>Data</u>
St. Lawrence Seaway Development Corporation, Massena	Ice cover mosaics, water levels, discharges, and water temperatures.
Ontario Hydro, Cornwall/ Toronto	Water temperature and ice thickness data.

The title and contents of each volume are:

Volume I:	Ice Cover Charts
	Part A, 1971-76
	Part B, 1976-77
Volume II:	Ice Cover Thickness
Volume III:	Water Level, Discharge, and Temperature
Volume IV:	Air Temperature and Precipitation

ACKNOWLEDGEMENTS

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CHAPTER I

INTRODUCTION

The weather conditions which occur during the winter season are important factors which govern the thermal-ice conditions of a river. The amount of precipitation could affect the formation, growth, decay, and break-up of a river ice cover. In this report, air temperature and precipitation records at Wellesley Island, Ogdensburg, and Massena are summarized for winter months between December 1, 1971 and April 30, 1981. These data are obtained from "Climatological Data, New York" published by the National Climatic Center, Asheville, N.C.. The locations of these stations are summarized in Table 1.1. Hourly weather data including air temperature, dew point, wind velocity, atmospheric pressure, and cloud cover, measured by FAA stations at the Ogdensburg Airport and the Massena Airport may be obtained from the National Climatic Center, Asheville, North Carolina.

Table 1.1 Weather Station Locations

Station	Latitude	Longitude	Remarks
Alexandria Bay	44 20	75 55	Inactive 12/15/72
Wellesley Island	44 18	76 02	Wellesley Is. State Park
Ogdensburg	44 44	75 26	St. Lawrence State Hospital
Massena Airport	44 56	74 51	FAA-FSS

CHAPTER II
WEATHER DATA AT WELLESLEY ISLAND*

Notations:

PPT = Precipitation, Inches
SNF = Snowfall, Inches
ONGR = Snow on Ground, Inches
TEMP = Air Temperature, Deg. F
FDD = Freezing Degree-Days, Deg. F-Day
CUM = Cumulative Freezing-Degree Days, Deg. F-Day

*The record began in 1975, 1972 data were taken at Alexandria Bay.

ALEXANDRIA BAY

MARCH 1972

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1			32	34	24	3	3
2	.08	2.0	32	33	12	9	12
3	.12	3.0	33	27	6	15	28
4			-	12	-13	32	60
5	.13	2.0	30	30	11	11	72
6	.08	2.0	32	30	5	14	86
7			-	22	2	20	106
8	.09		25	47	22	-2	104
9	T	T	25	30	4	15	119
10			25	19	9	18	137
11			25	25	0	19	156
12			22	37	15	6	162
13			22	40	20	2	164
14			20	26	20	9	173
15	.17	4.0	-	27	19	9	182
16			-	37	20	3	186
17	.40		9	43	24	-1	184
18	.04	0.5	10	37	26	0	185
19			10	30	10	12	197
20			-	29	5	15	212
21			-	37	14	6	218
22	.04		-	40	24	0	218
23	T	T	6	47	30	-6	212
24	.90	3.0	-	38	22	2	214
25			-	30	13	10	224
26			-	32	13	9	234
27			-	30	15	9	243
28			-	31	16	8	252
29			-	39	17	4	256
30	.04		-	42	29	-3	252
31			-	39	29	-2	250

ALEXANDRIA BAY

APRIL 1972

DAY	PPT	SNOW		TEMPERATURE			CUM
		SNF	ONGR	MAX	MIN	FDD	
1				37	26	0	251
2				45	30	-5	245
3				47	20	-1	244
4				42	27	-2	241
5				38	17	4	246
6	.02	1.0		35	20	4	250
7	-	-		31	7	13	263
8				25	9	15	278
9				36	11	8	287
10				43	25	-2	285
11	.03			43	28	-3	281
12		0.3		48	27	-5	276
13	.40			47	31	-7	269
14	.20			43	33	-6	263
15				48	33	-8	254
16	.12			42	35	-6	248
17				44	31	-5	242
18				57	30	-11	231
19	-			55	35	-13	218
20	.03			43	35	-7	211
21				45	32	-6	204
22				50	30	-8	196
23	.05			55	37	-14	182
24				53	35	-12	170
25	.01			47	28	-5	165
26				45	27	-4	161
27				50	25	-5	155
28				52	28	-8	147
29				56	30	-11	136
30				62	31	-14	122

ALEXANDRIA BAY

DECEMBER 1972

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.30	4.0	4	37	23	2	2
2	.02	T	3	37	3	12	14
3	.10	1.0	4	32	8	12	26
4			3	28	3	16	42
5	.07	3.0	5	15	3	23	65
6	.14		-	51	12	0	66
7	.35		-	53	12	0	65
8			-	23	11	15	80
9	.33	*	4	30	20	7	87
10	.04	2.0	5	29	21	7	94
11	.10	1.0	5	30	7	13	108
12	*	2.0	6	20	1	21	129
13	1.12	3.0	4	43	5	8	137
14			3	44	26	-3	134
15			3	33	10	10	145
16	-	-	-				
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

WELLESLEY ISLAND

APRIL 1975

DAY	PPT	SNOW		TEMPERATURE		
		SNF	ONGR	MAX	MIN	FDC CUM
1	.05			38	23	1
2				38	22	3
3	.95			34	27	5
4	.45			33	20	10
5	T			38	19	14
6	T			37	22	16
7				34	19	22
8				37	24	23
9				39	24	24
10				39	19	27
11				41	19	29
12	T			39	17	33
13				40	20	35
14				49	23	31
15				55	25	23
16				58	31	10
17				58	39	-6
18	T			62	31	-20
19	.76			65	48	-45
20	.01			50	39	-57
21				46	34	-65
22				49	22	-69
23				66	28	-84
24	.10			65	49	-109
25				61	42	-128
26	T			51	31	-137
27				54	36	-150
28				56	31	-162
29				66	35	-180
30				68	34	-199

WELLESLEY ISLAND

DECEMBER 1975

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T			59	30	-12	-12
2	.36			32	28	2	-10
3	.36			32	21	5	-5
4				28	7	14	9
5				47	12	2	12
6	.55			55	32	-11	0
7				34	11	9	10
8				28	15	10	20
9	.49			30	21	6	27
10	.82			37	29	-1	26
11				35	29	0	26
12				31	13	10	36
13	.07			26	16	11	47
14	T			53	23	-6	41
15	.29			57	27	-10	31
16				29	9	13	44
17	.32			35	8	10	54
18	T			32	7	12	67
19				8	-13	34	101
20	.12			4	-22	41	142
21	.04			9	0	27	170
22	T			23	-5	23	193
23				23	3	19	212
24				10	-16	35	247
25	.04			22	-2	22	269
26	.80			22	12	15	284
27	.01			25	17	11	295
28				20	-3	23	318
29				25	-1	20	338
30	.15			37	7	10	348
31	.15			41	29	-3	345

WELLESLEY ISLAND

JANUARY 1976

DAY	FPT	SNOW		TEMPERATURE		
		SNF	ONGR	MAX	MIN	FDD CUM
1				33	23	4 349
2				0	-6	35 384
3	.30			24	13	13 398
4	.04			31	7	13 411
5				8	-19	37 448
6	T			25	-8	23 472
7	.05			32	20	6 478
8				31	-3	18 496
9				20	-7	25 521
10				15	-2	25 547
11	.08			8	-15	35 582
12	.07			13	2	24 607
13				36	-9	18 625
14	.64			33	18	6 632
15				25	6	16 648
16	.08			32	-1	16 665
17	.02			31	-14	23 688
18				-2	-26	46 734
19				24	-22	31 765
20	.08			38	17	4 770
21	.06			35	20	4 774
22	D.01			26	-10	24 798
23				-6	-28	49 847
24				1	-13	38 885
25	.06			10	-19	36 922
26	.59			48	8	4 926
27	.79			47	29	-6 920
28	.15			31	21	6 926
29	.07			34	18	6 932
30	T			29	-1	18 950
31				21	-16	29 979

WELLESLEY ISLAND

FEBRUARY 1976

DAY	PPT	SNOW		TEMPERATURE			
		SNF	GNGR	MAX	MIN	FDD	CUM
1				42	12	5	984
2	.12			38	-12	19	1003
3	.02			24	-1	20	1024
4	.03			34	14	8	1032
5				23	-9	25	1057
6				21	-4	23	1080
7				17	3	22	1102
8	.54			32	12	10	1112
9	.02			28	-1	18	1131
10				48	14	1	1132
11	.03			44	31	-5	1126
12	.08			35	-1	15	1141
13				45	32	-6	1135
14				37	13	7	1142
15	.23			44	13	3	1145
16				46	30	-6	1139
17	.29			34	28	1	1140
18	.22			36	26	1	1141
19	.24			43	32	-5	1136
20	T			37	27	0	1136
21	.26			37	24	1	1137
22	.76			37	22	2	1140
23	T			22	-1	21	1161
24				43	10	5	1167
25				56	23	-7	1159
26				53	34	-11	1148
27	.05			50	34	-10	1138
28	.01			39	20	2	1140
29	.22			46	16	1	1141

WELLESLEY ISLAND

MARCH 1976

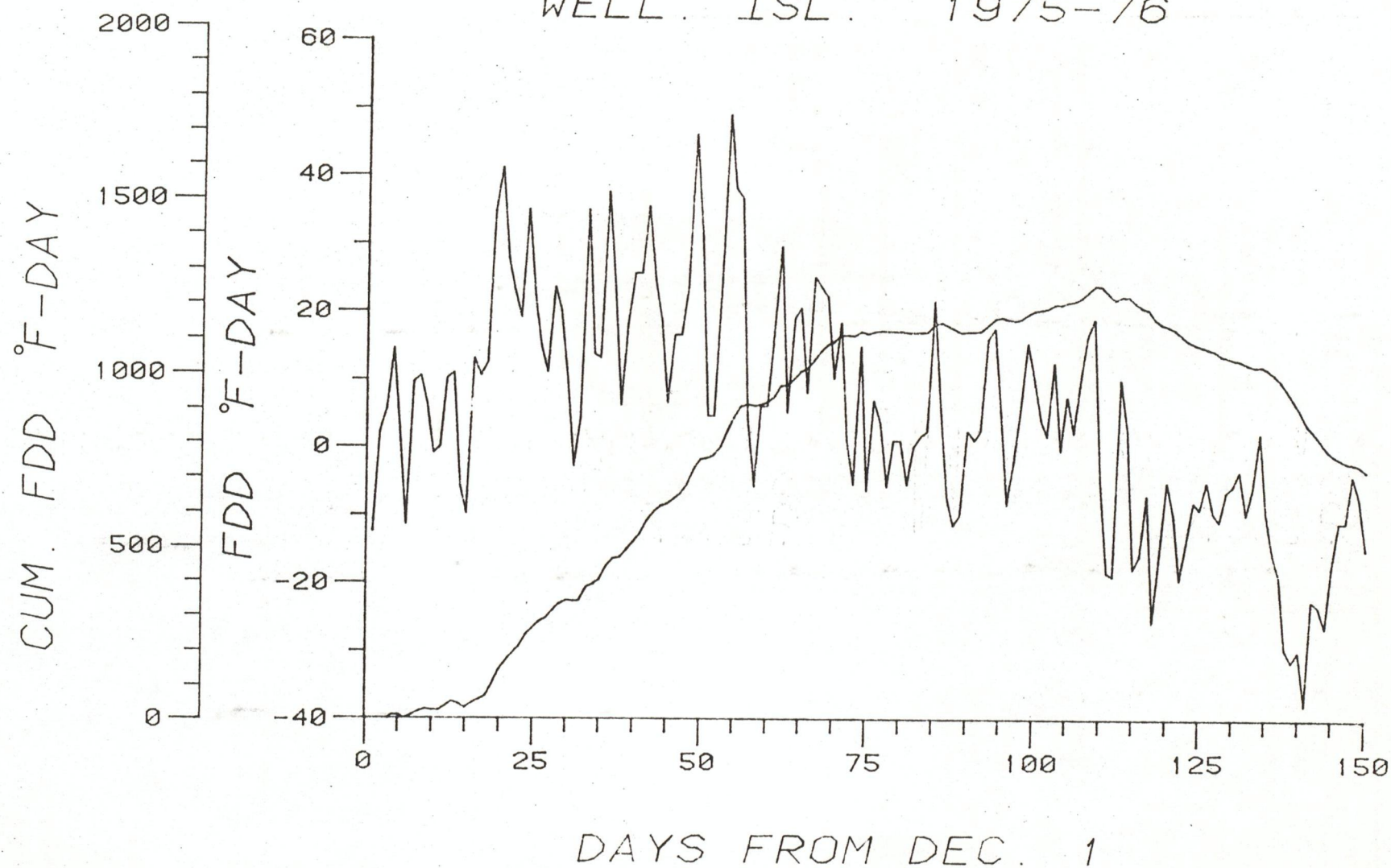
DAY	PPT	SNOW		TEMPERATURE		
		SNF	ONGR	MAX	MIN	FDD CUM
1				41	18	2 1144
2	.59			24	8	16 1160
3	.27			21	8	17 1177
4	.27			33	20	5 1183
5	.26			52	29	-8 1174
6	T			46	22	-2 1172
7	.22			33	20	5 1178
8				26	7	15 1193
9				39	5	10 1203
10	.02			40	16	4 1207
11	.14			36	25	1 1209
12				37	2	12 1221
13	.71			37	28	0 1221
14	.10			37	12	7 1228
15	.07			35	25	2 1230
16	.24			34	9	10 1241
17	.13			25	6	16 1257
18				34	-8	19 1276
19	.24			48	26	-5 1271
20				65	36	-18 1253
21	.51			63	39	-19 1234
22	.02			40	4	10 1244
23	T			44	15	2 1246
24				64	36	-18 1228
25	.06			59	37	-16 1212
26				52	26	-7 1205
27	T			73	43	-26 1179
28	.45			64	31	-15 1164
29				49	25	-5 1159
30				53	31	-10 1149
31	T			60	43	-19 1129

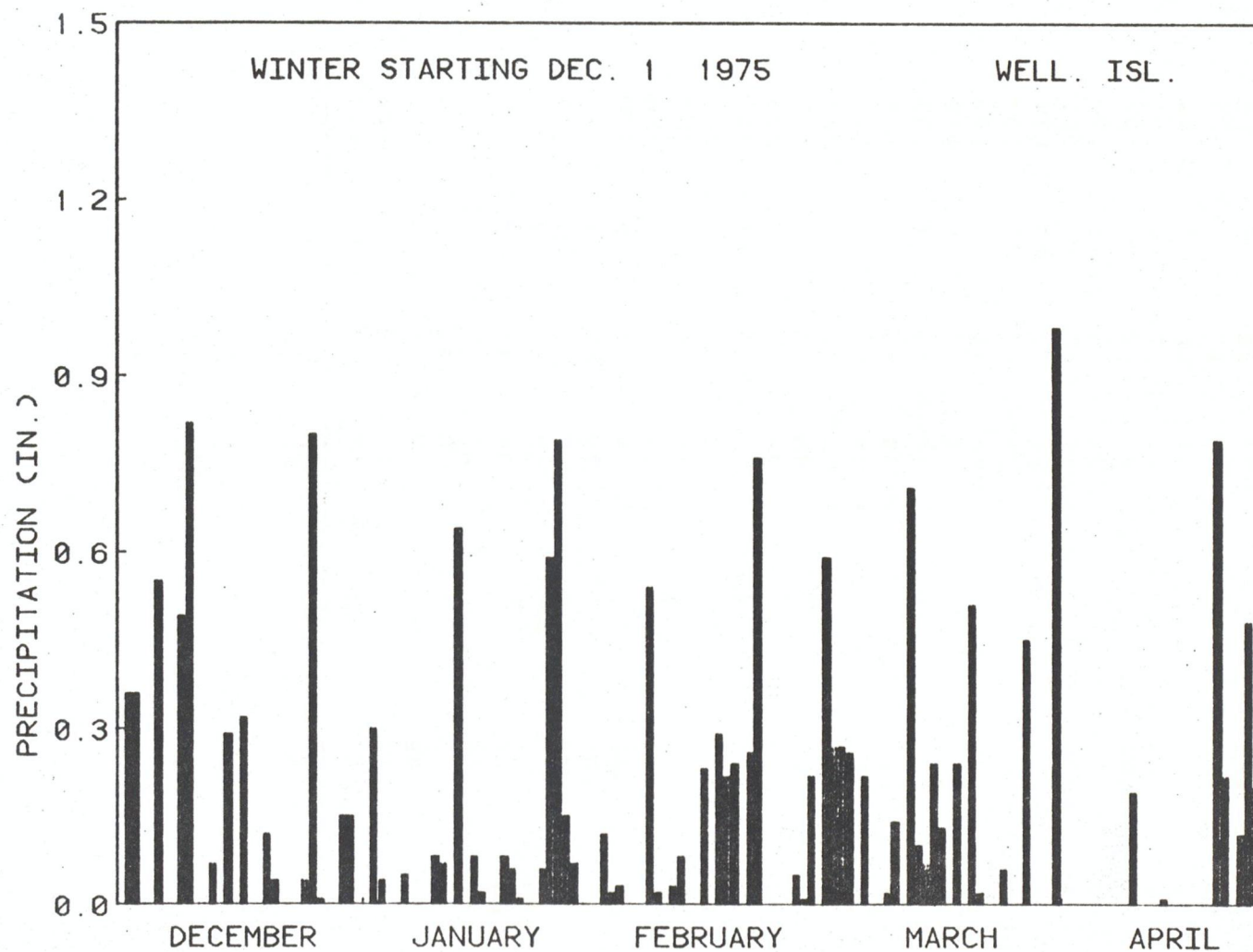
WELLESLEY ISLAND

APRIL 1976

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.98			53	39	-14	1115
2	T			50	30	-8	1107
3				53	29	-9	1098
4				46	28	-5	1093
5				50	33	-9	1084
6				54	32	-11	1073
7				49	28	-6	1066
8				46	29	-5	1061
9				49	22	-3	1057
10				58	26	-10	1047
11	.19			54	22	-6	1041
12				41	19	2	1043
13				54	29	-9	1034
14				62	33	-15	1018
15	.01			63	39	-19	999
16				72	51	-29	970
17				77	50	-31	938
18				79	45	-30	908
19				78	62	-38	870
20				69	40	-22	848
21				75	36	-23	824
22	.79			68	49	-26	798
23	.22			57	42	-17	780
24				55	31	-11	769
25	.12			51	35	-11	758
26	.48			40	32	-4	754
27	.20			47	32	-7	747
28	.03			55	39	-15	732
29	.03			59	33	-14	718
30				58	34	-14	704

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WELLESLEY ISLAND

DECEMBER 1976

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.28			23	12	14	14
2	1.10			28	17	9	24
3				0	-11	37	61
4	.05			18	0	23	84
5	.02			28	10	13	97
6				32	9	11	109
7	1.06			38	22	2	111
8				24	-7	23	134
9	.01			6	-7	32	167
10	.05			42	-10	16	183
11	.01			38	17	4	187
12				34	15	7	195
13	.13			30	-4	19	214
14	T			34	-9	19	233
15				40	32	-4	229
16				36	23	2	232
17	.04			36	22	3	235
18	.03			30	11	11	246
19				35	3	13	259
20	.58			38	18	4	263
21	.02			34	5	12	276
22	.01			24	-6	23	299
23	.06			33	20	5	304
24	.02			27	5	16	320
25				37	13	7	327
26	.17			34	15	7	335
27				17	-9	28	363
28				8	-10	33	396
29	.08			13	0	25	421
30	T			14	-10	30	451
31	T			9	-9	32	483

WELLESLEY ISLAND

JANUARY 1977

DAY	PPT	SNOW		TEMPERATURE		
		SNF	ONGR	MAX	MIN	FDD CUM
1	.10			16	-10	29 512
2	T			24	4	18 530
3	.01			30	16	9 539
4	.19			30	20	7 546
5				30	5	14 561
6				20	-11	27 588
7	.09			29	11	12 600
8	T			21	-15	29 629
9	T			8	-12	34 663
10	.76			10	-5	29 693
11	*			11	-4	28 721
12	.15			14	-6	28 749
13				16	-18	33 782
14	.07			23	7	17 799
15	.01			20	0	22 821
16	.03			17	-9	28 849
17				3	-14	37 887
18	.08			0	-30	47 934
19	.17			24	-3	21 955
20				27	11	13 968
21	.02			27	12	12 981
22				19	-11	28 1009
23	T			15	-15	32 1041
24				31	6	13 1054
25	.07			32	22	5 1059
26				26	12	13 1072
27	.38			18	4	21 1093
28	.14			25	0	19 1113
29	.21			10	-3	28 1141
30				15	-2	25 1167
31	.10			14	3	23 1190

WELLESLEY ISLAND

FEBRUARY 1977

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.02			20	4	20	1210
2				23	-6	23	1234
3				32	12	10	1244
4	.14			31	11	11	1255
5	.10			23	14	13	1268
6	.05			18	-11	28	1297
7				12	2	25	1322
8	T			24	-7	23	1345
9	.01			26	12	13	1358
10	.07			33	4	13	1372
11				45	22	-1	1370
12				43	32	-5	1365
13	.12			42	32	-5	1360
14	.04			38	24	1	1361
15				28	11	12	1373
16				16	-4	26	1399
17				21	-8	25	1425
18				32	2	15	1440
19	T			36	20	4	1444
20	.01			32	22	5	1449
21				24	11	14	1463
22	.04			31	3	15	1478
23				27	10	13	1492
24				45	9	5	1497
25	.58			42	32	-5	1492
26				38	26	0	1492
27	.06			52	27	-7	1484
28	.03			49	21	-3	1481

WELLESLEY ISLAND

MARCH 1977

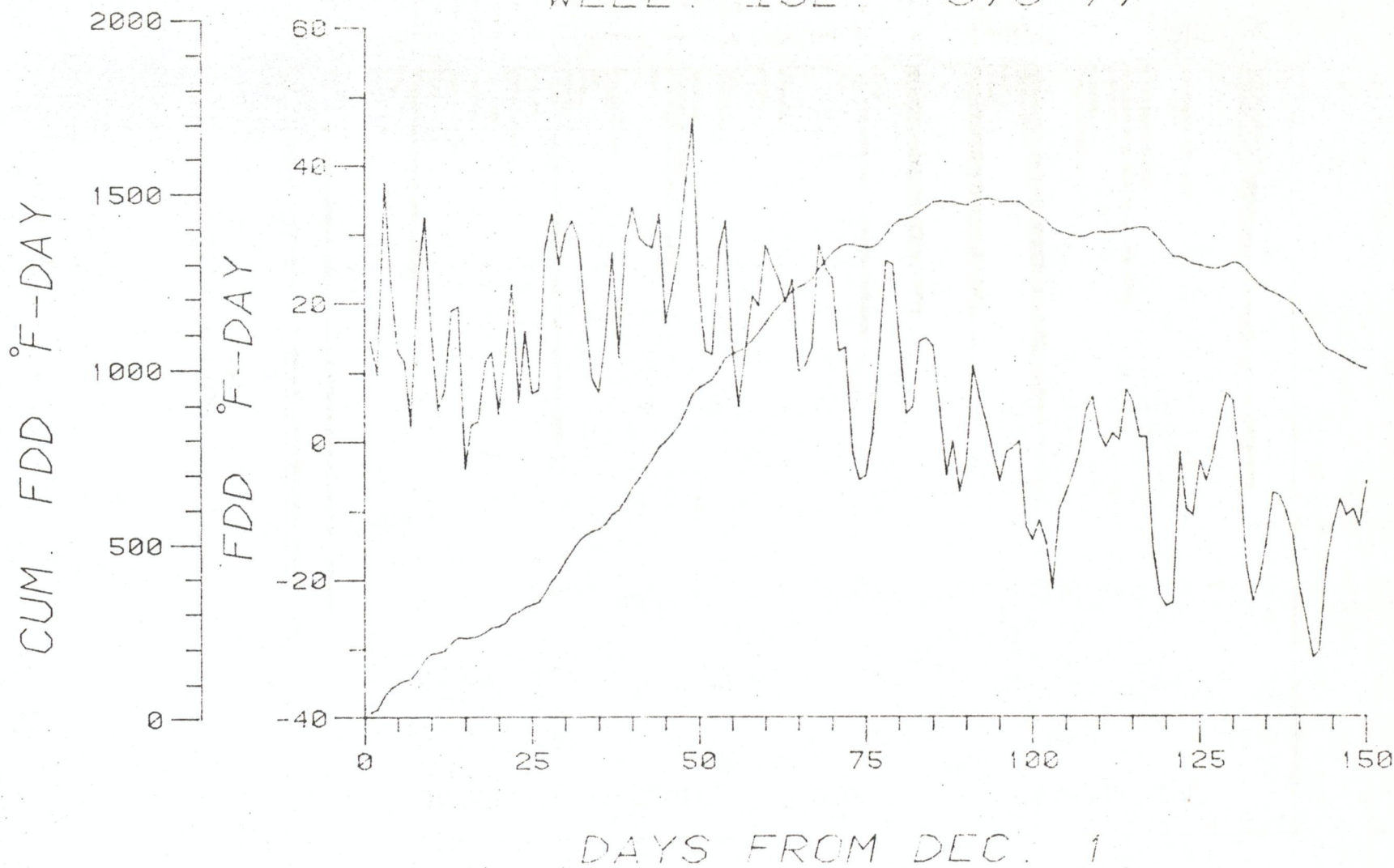
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T			31	11	11	1492
2				36	16	6	1498
3				39	20	2	1501
4	.38			40	27	-1	1499
5	.49			41	35	-6	1493
6	T			37	30	-1	1492
7	-			37	29	-1	1491
8				42	22	0	1491
9				58	31	-12	1478
10				55	38	-14	1464
11				61	26	-11	1452
12				66	28	-15	1437
13	.58			62	45	-21	1416
14	.46			48	36	-10	1406
15	.01			45	33	-7	1398
16	.08			45	29	-5	1393
17				40	27	-1	1392
18	.05			36	19	4	1396
19				39	12	6	1403
20	.07			44	18	1	1404
21	.16			42	24	-1	1403
22	.58			36	26	1	1404
23	.81			40	24	0	1404
24				33	16	7	1411
25				41	12	5	1417
26				40	23	0	1417
27				49	14	0	1418
28				61	34	-15	1402
29	.21			73	36	-22	1380
30				76	36	-24	1356
31	.16			72	39	-23	1332

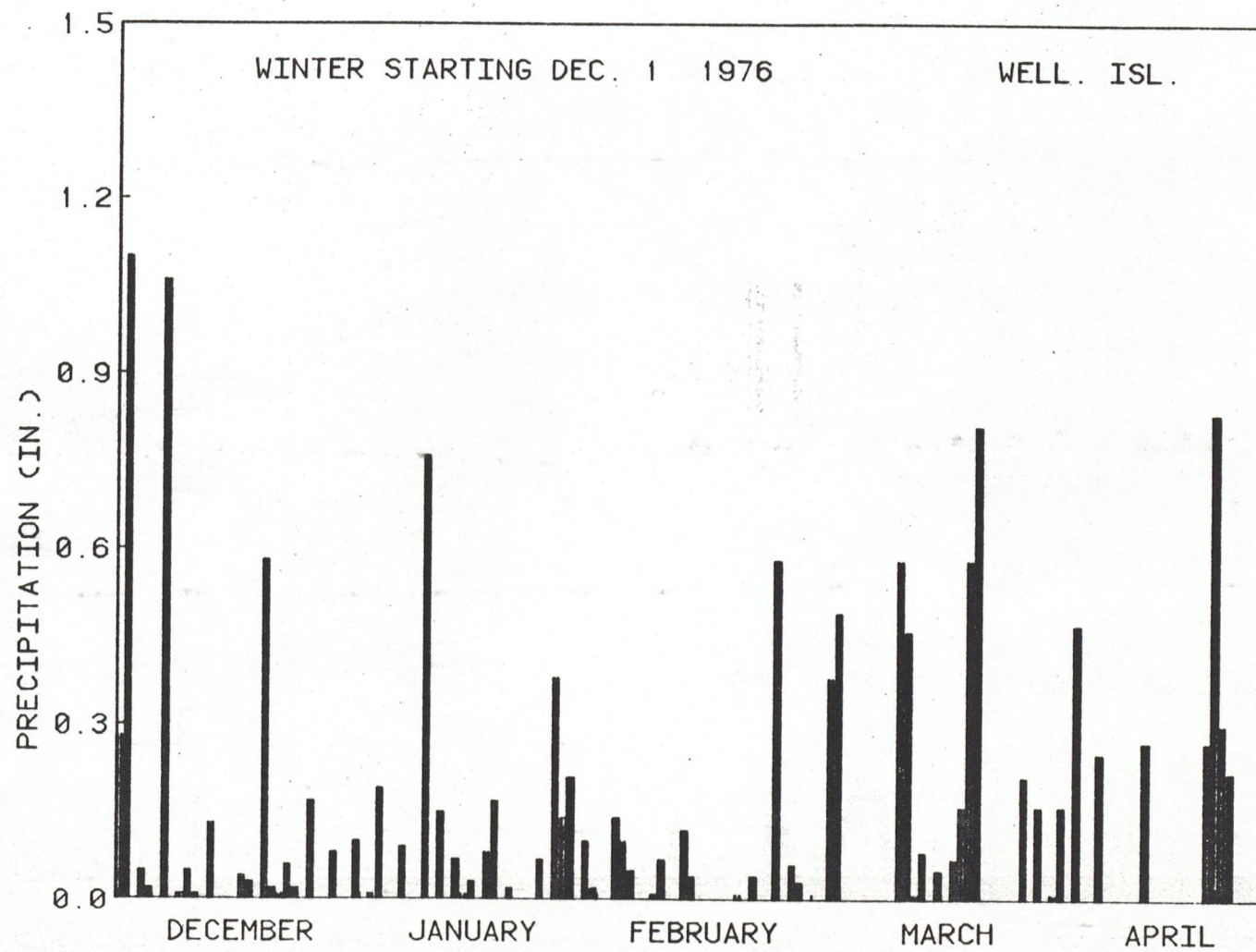
WELLESLEY ISLAND

APRIL 1977

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1				45	22	-1	1331
2	.01			49	35	-10	1321
3	.16			49	37	-11	1310
4				48	22	-3	1307
5	.47			47	29	-6	1301
6				45	24	-2	1298
7				38	20	3	1301
8	.25			35	15	7	1308
9				39	14	5	1314
10				51	20	-3	1310
11				70	30	-18	1292
12				70	41	-23	1269
13				66	38	-20	1249
14	.27			62	32	-15	1234
15				55	24	-7	1226
16				57	23	-8	1218
17				64	21	-10	1208
18				67	25	-14	1194
19				73	34	-21	1172
20				73	43	-26	1146
21				79	48	-31	1115
22	.27			76	49	-30	1084
23	.83			57	44	-18	1066
24	.30			47	42	-12	1053
25	.22			45	36	-8	1045
26				52	34	-11	1034
27				55	29	-10	1024
28				53	36	-12	1011
29				51	25	-6	1005
30				62	33	-15	990

WELL ISL 1976-77





WELLESLEY ISLAND

DECEMBER 1977

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.79			56	32	-12	-12
2	.04			49	31	-8	-20
3	.01			39	33	-4	-24
4	T			37	23	2	-22
5	.02			33	15	8	-14
6	1.40			23	17	12	-2
7	.18			23	16	12	10
8				21	-2	22	33
9	.84			35	12	8	41
10	.01			26	2	18	59
11				8	-20	38	97
12	.14			14	-16	33	130
13	.05			14	7	21	152
14	.93			34	12	9	161
15	.18			32	26	3	164
16				36	28	0	164
17				34	20	5	169
18				23	15	13	182
19	.02			32	21	5	187
20	.02			36	22	3	190
21	1.55			35	31	-1	189
22	.09			33	26	2	191
23	T			39	26	0	191
24				36	22	3	194
25	.20			43	25	-2	192
26	T			25	16	11	203
27	.36			19	5	20	223
28	.25			19	-7	26	249
29	.45			25	10	14	264
30	.14			27	18	9	273
31	T			27	10	13	287

WELLESLEY ISLAND

JANUARY 1978

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				18	1	22	309
2	.20			18	8	19	328
3	.05			20	0	22	350
4	.02			25	-9	24	374
5	T			32	23	4	379
6	.01			24	7	16	395
7	.02			14	6	22	417
8	.47			40	13	5	423
9	1.66			38	4	11	434
10	T			6	-6	32	466
11	T			25	4	17	483
12	.02			22	6	18	501
13	.01			16	4	22	523
14	.14			14	3	23	547
15	.05			12	2	25	572
16				20	-5	24	596
17				15	5	22	618
18	.68			22	10	16	634
19				19	-4	24	659
20	.12			16	4	22	681
21	.48			20	6	19	700
22	T			27	-2	19	719
23	T			30	18	8	727
24				34	17	6	734
25	.31			36	28	0	734
26	1.75			45	22	-1	732
27	.22			25	14	12	745
28	T			20	3	20	765
29	D.03			16	-11	29	795
30				11	-9	31	826
31				18	-14	30	856

WELLESLEY ISLAND

FEBRUARY 1978

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				24	3	18	874
2				20	-2	23	897
3				11	-16	34	932
4				11	-22	37	969
5				7	-21	39	1008
6	.03			13	0	25	1034
7	.32			27	12	12	1046
8	T			30	10	12	1058
9				24	-11	25	1084
10				22	-8	25	1109
11	.04			27	0	18	1127
12	T			28	15	10	1138
13	T			25	8	15	1153
14	T			20	3	20	1174
15				23	-10	25	1199
16	T			29	0	17	1217
17	T			32	10	11	1228
18	T			25	2	18	1246
19	T			22	-7	24	1271
20	T			26	-9	23	1294
21	T			27	3	17	1311
22	T			22	-1	21	1333
23				29	11	12	1345
24	.25			32	18	7	1352
25	T			30	16	9	1361
26				29	2	16	1377
27				26	-1	19	1397
28				30	4	15	1412

WELLESLEY ISLAND

MARCH 1978

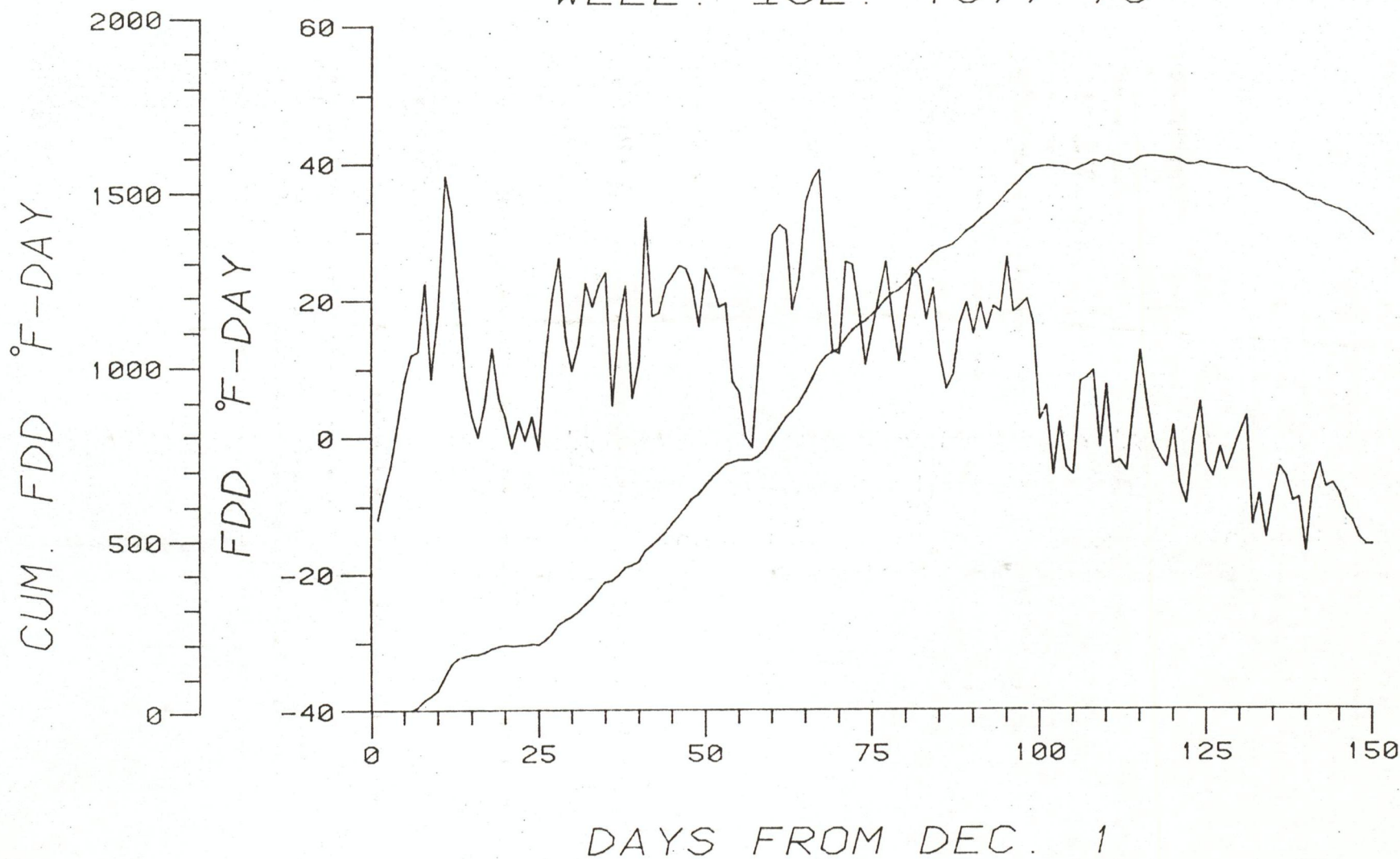
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				26	-1	19	1431
2				25	8	15	1447
3	.06			25	1	19	1466
4	T			27	1	18	1484
5				21	-9	26	1510
6				29	-1	18	1528
7				29	-3	19	1547
8				30	-6	20	1567
9				34	-3	16	1583
10				40	19	2	1586
11	T			39	16	4	1590
12	.13			45	30	-5	1585
13				41	19	2	1587
14	.44			46	27	-4	1582
15	.07			46	29	-5	1577
16				33	15	8	1585
17				32	15	8	1593
18				33	12	9	1603
19	T			41	26	-1	1601
20				35	14	7	1609
21	.65			47	25	-4	1605
22	.09			42	29	-3	1601
23	.13			43	31	-5	1596
24				39	17	4	1600
25				31	8	12	1613
26	.30			31	23	5	1618
27	.55			37	29	-1	1617
28	.23			39	31	-3	1614
29	.02			42	31	-4	1609
30				42	19	1	1611
31				46	32	-7	1604

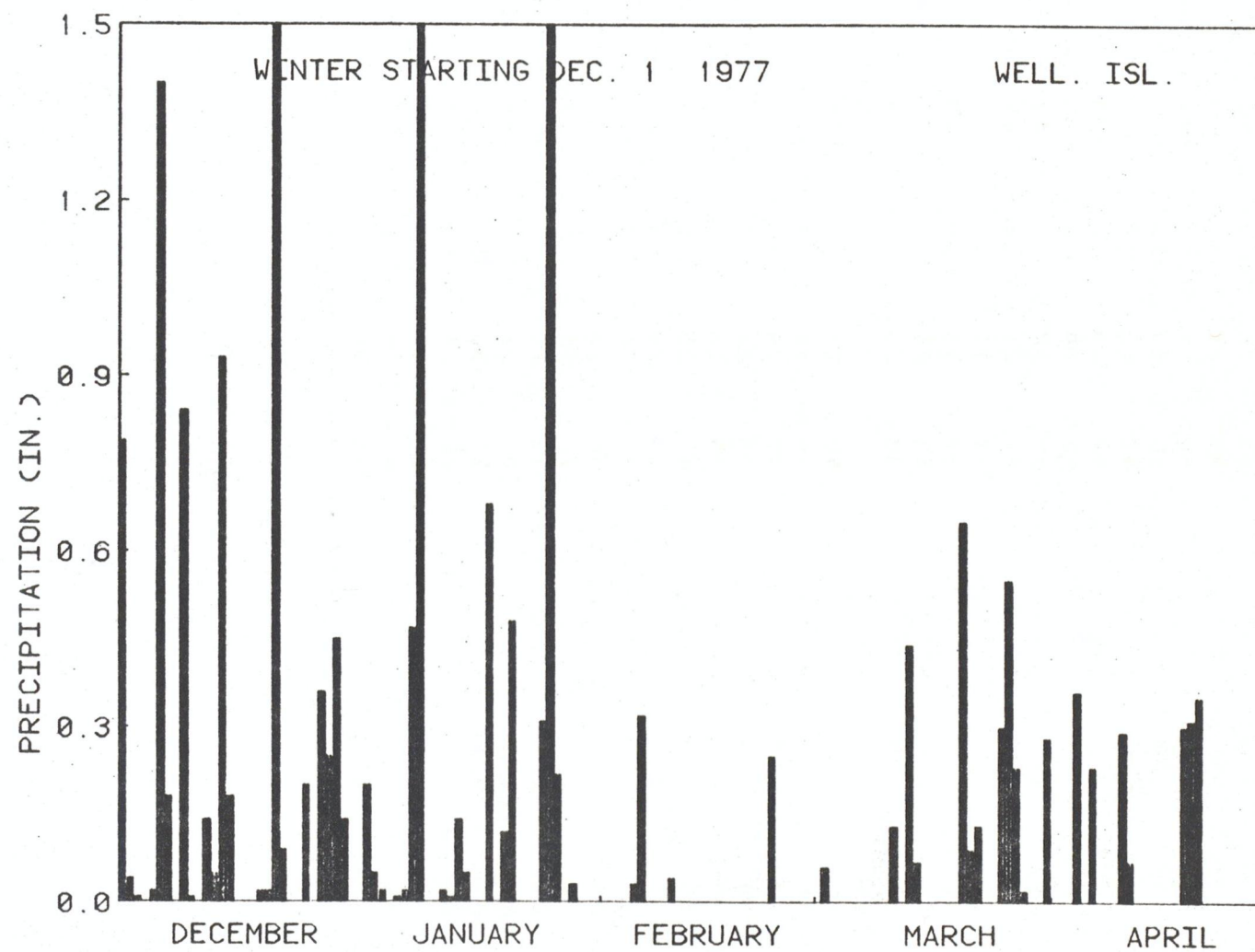
WELLESLEY ISLAND

APRIL 1978

DAY	PPT	SNOW		TEMPERATURE		
		SNF	ONGR	MAX	MIN	FDD CUM
1	.28			51	33	-10 1594
2	T			42	23	0 1593
3				35	19	5 1598
4				43	29	-4 1594
5	.36			44	32	-6 1588
6				41	26	-1 1587
7	.23			41	33	-5 1582
8				41	28	-2 1579
9				43	20	0 1580
10	T			41	17	3 1583
11	.29			57	33	-13 1570
12	.07			47	34	-8 1561
13				54	40	-15 1546
14				47	35	-9 1537
15	T			44	29	-4 1533
16				49	27	-6 1527
17				52	31	-9 1517
18				58	24	-9 1508
19	.30			58	40	-17 1491
20	.31			42	37	-7 1484
21	.35			41	31	-4 1480
22				52	27	-7 1472
23				55	23	-7 1465
24				58	23	-8 1457
25				62	25	-11 1445
26				61	28	-12 1433
27				63	31	-15 1418
28				64	32	-16 1402
29				63	33	-16 1386
30				55	26	-8 1377

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WELLESLEY ISLAND

DECEMBER 1978

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.05			43	28	-3	-3
2	.06			42	28	-3	-6
3	.21			46	27	-4	-11
4	.28			56	29	-10	-21
5	.06			42	28	-3	-24
6				42	34	-6	-30
7				50	34	-10	-40
8	.28			50	32	-9	-49
9	.09			32	21	5	-44
10				21	16	13	-30
11				27	16	10	-20
12	.06			33	26	2	-17
13	.05			38	29	-1	-19
14				31	26	3	-15
15	.11			40	25	0	-16
16				44	31	-5	-21
17	.18			39	29	-2	-23
18				34	25	2	-21
19				25	16	11	-9
20	T			45	20	-1	-10
21	.33			53	28	-8	-19
22	.01			39	26	0	-19
23				36	23	2	-17
24				37	28	0	-17
25	.68			36	25	1	-16
26	.13			27	21	8	-8
27	.01			24	20	10	2
28				26	12	13	15
29				29	10	12	27
30				40	26	-1	26
31	.13			48	36	-10	16

WELLESLEY ISLAND

JANUARY 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.85			50	32	-9	7
2	.35			37	18	4	12
3	.08			23	4	18	30
4	.60			18	5	20	51
5	T			20	-3	23	74
6	.14			25	5	17	91
7	.12			26	15	11	103
8	.13			25	12	13	116
9	.09			21	4	19	136
10	.08			19	-10	27	163
11				15	-25	37	200
12	.01			18	-10	28	228
13	.22			18	5	20	249
14	.94			41	9	7	256
15				23	1	20	276
16	.03			23	7	17	293
17	.17			17	-7	27	320
18	.08			18	-11	28	348
19				3	-26	43	392
20				17	-5	26	418
21	.68			28	8	14	432
22	T			27	18	9	441
23				33	8	11	453
24	.22			29	9	13	466
25	.76			34	20	5	471
26	.14			39	28	-1	469
27	T			40	28	-2	467
28	.04			37	28	0	467
29	.33			35	20	4	471
30	.03			24	14	13	484
31	.08			22	13	14	499

WELLESLEY ISLAND

FEBRUARY 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1	.16			20	4	20	519
2	.76			20	-2	23	542
3				17	-16	31	573
4	T			26	-10	24	597
5				20	8	18	615
6				15	-18	33	649
7				15	-14	31	680
8	.14			21	4	19	700
9	T			15	-21	35	735
10				6	-33	45	780
11				1	-33	48	828
12				15	-29	39	867
13				9	-19	37	904
14				5	-31	45	949
15	T			10	-18	36	985
16	.07			8	-5	30	1016
17				4	-31	45	1061
18				5	-35	47	1108
19	T			26	-8	23	1131
20				32	9	11	1143
21	.03			44	11	4	1147
22	.14			40	30	-3	1144
23	.12			48	24	-4	1140
24	.29			45	31	-6	1134
25				43	15	3	1137
26	.47			25	19	10	1147
27	.12			32	16	8	1155
28				44	8	6	1161

WELLESLEY ISLAND

MARCH 1979

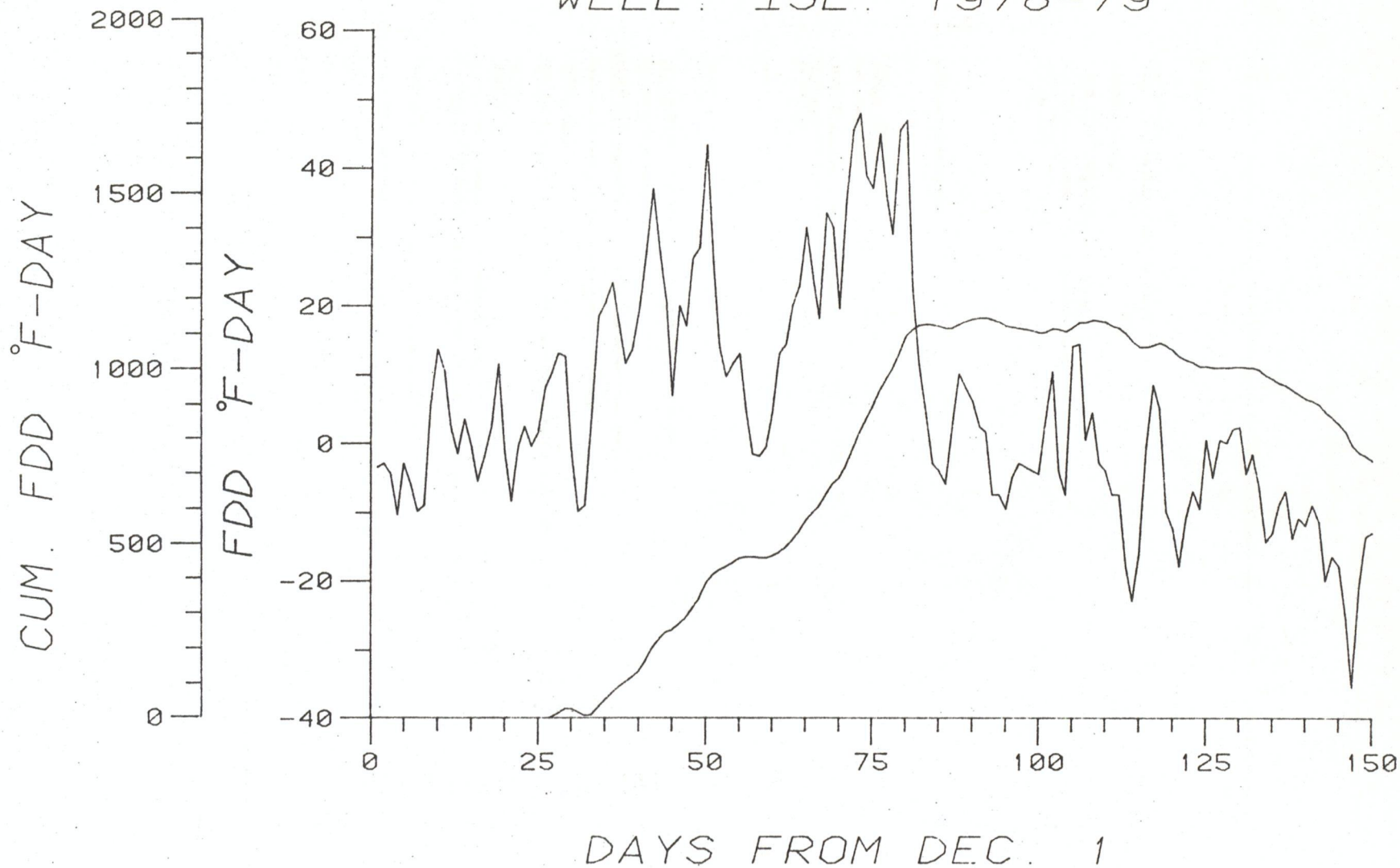
DAY	FPT	SNOW		TEMPERATURE		
		SNF	ONGR	MAX	MIN	FDD CUM
1				39	20	2 1164
2	.21			35	26	1 1165
3				52	27	-7 1158
4	.19			52	27	-7 1150
5	.26			50	33	-9 1141
6	.23			45	29	-5 1136
7				41	29	-3 1133
8				44	27	-3 1129
9				45	27	-4 1125
10	.15			45	28	-4 1121
11				39	18	3 1124
12				29	14	10 1135
13				48	24	-4 1131
14	.30			49	30	-7 1123
15				34	2	14 1137
16	T			29	6	14 1152
17				43	20	0 1152
18				40	15	4 1157
19				47	23	-3 1154
20				53	19	-4 1150
21				56	23	-7 1142
22				56	23	-7 1135
23				72	28	-18 1117
24				70	40	-23 1094
25				62	34	-16 1078
26	T			42	23	0 1077
27				35	12	8 1086
28				44	10	5 1091
29	.14			52	32	-10 1081
30	.03			47	42	-12 1068
31	.24			59	41	-18 1050

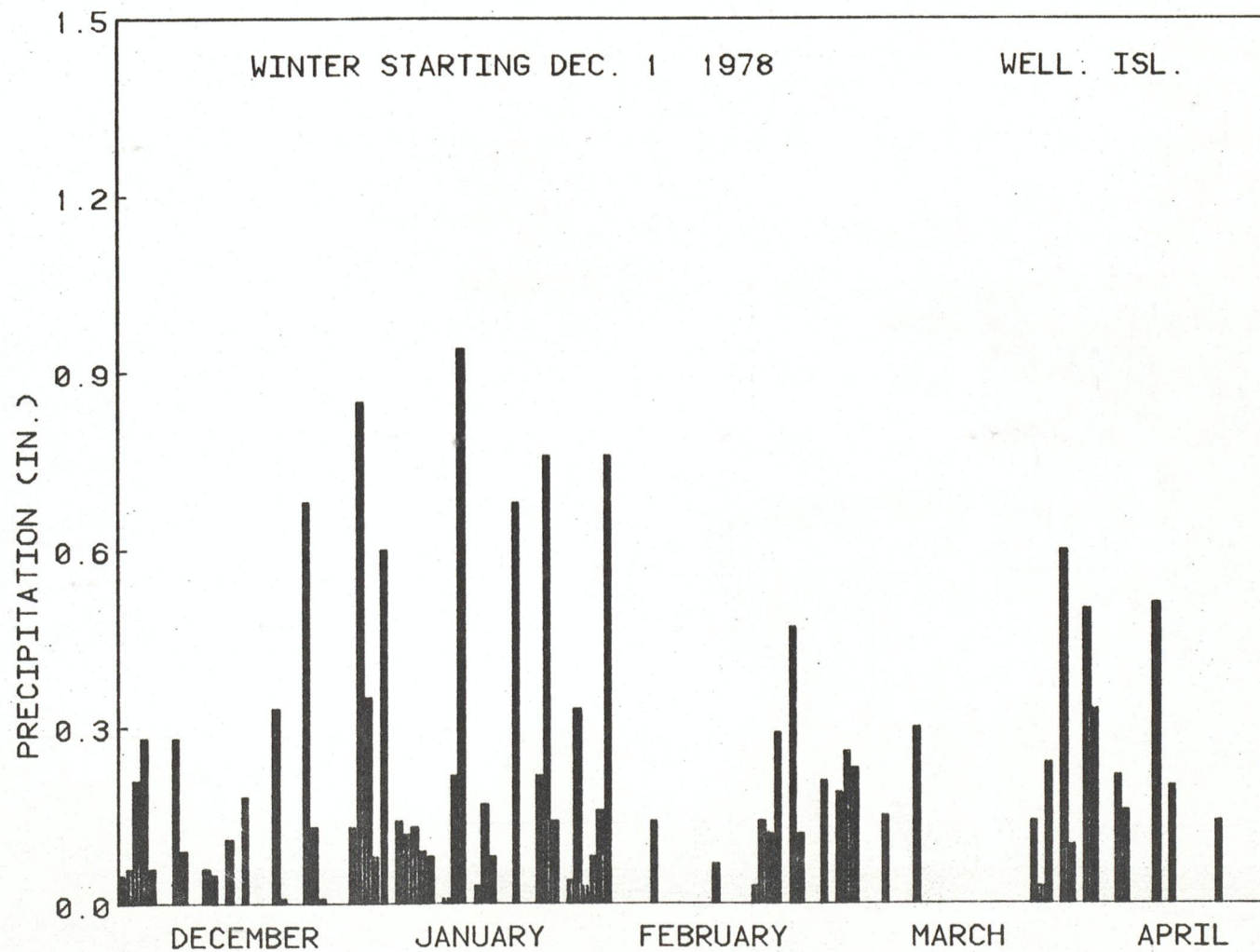
WELLESLEY ISLAND

APRIL 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				56	30	-11	1039
2	.60			45	33	-7	1032
3	.10			49	34	-9	1023
4				45	18	0	1023
5	.50			44	30	-5	1018
6	.33			40	23	0	1019
7				40	24	0	1019
8				40	20	2	1021
9	.22			36	23	2	1023
10	.16			46	27	-4	1019
11				45	21	-1	1017
12				55	22	-6	1011
13				59	34	-14	996
14	.51			55	35	-13	983
15	T			50	32	-9	974
16	.20			46	32	-7	967
17				58	34	-14	953
18				55	31	-11	942
19				56	32	-12	930
20				59	23	-9	921
21				61	26	-11	910
22	.14			63	41	-20	890
23				63	34	-16	873
24				70	30	-18	855
25	T			76	39	-25	830
26	T			75	60	-35	794
27	.69			65	41	-21	773
28	.50			55	36	-13	760
29				54	36	-13	747
30				58	28	-11	736

WELL: ISL. 1978-79





WELLESLEY ISLAND

DECEMBER 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.26			35	24	2	2
2				30	19	7	10
3				37	17	5	15
4	T			41	31	-4	11
5	.03			51	24	-5	5
6	.02			50	41	-13	-8
7	.19			43	33	-6	-14
8	.13			43	22	0	-14
9	.15			33	16	7	-7
10	.06			35	15	7	0
11				58	19	-6	-6
12	.08			58	33	-13	-20
13				35	14	7	-12
14				35	14	7	-5
15				34	23	3	-1
16	T			43	30	-4	-6
17	.08			41	1	11	5
18				18	0	23	28
19	T			18	-6	26	54
20	T			20	3	20	74
21				37	9	9	83
22	.01			40	20	2	85
23	.12			43	35	-7	78
24	.36			45	37	-9	69
25	1.62			40	35	-5	64
26	.02			38	29	-1	62
27				32	28	2	64
28				36	18	5	69
29				41	29	-3	66
30				39	26	0	66
31				33	12	9	75

WELLESLEY ISLAND

JANUARY 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				31	22	5	81
2	T			34	22	4	85
3				24	7	16	101
4				19	1	22	123
5				23	8	16	140
6				22	3	19	159
7	.07			38	8	9	168
8	T			29	19	8	176
9	.02			25	16	11	188
10				25	5	17	205
11	.69			49	21	-3	202
12	.34			50	15	0	201
13				29	13	11	212
14	.08			40	22	1	213
15				38	24	1	214
16				33	13	9	223
17	T			40	26	-1	222
18	.09			41	32	-4	218
19				38	31	-2	215
20				33	23	4	219
21				27	17	10	229
22	.04			32	15	8	238
23	.07			32	19	6	244
24				19	-6	25	270
25	T			20	-6	25	295
26				24	4	18	313
27				28	6	15	328
28	.07			32	19	6	334
29	T			24	2	19	353
30				14	-8	29	382
31				10	-10	32	414

WELLESLEY ISLAND

FEBRUARY 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T			10	-5	29	444
2				14	-8	29	473
3	T			14	5	22	495
4	T			16	-6	27	522
5				19	-4	24	547
6				22	-5	23	570
7				29	8	13	584
8				29	2	16	600
9				23	-1	21	621
10				27	-1	19	640
11				32	7	12	653
12	.08			33	9	11	664
13	T			30	4	15	679
14	.02			36	25	1	680
15				30	1	16	697
16	.06			30	13	10	707
17				20	-8	26	733
18	.01			28	11	12	746
19				41	16	3	749
20				47	30	-6	743
21	T			42	29	-3	739
22	.08			29	14	10	750
23	.16			34	16	7	757
24	.10			42	24	-1	756
25				35	21	3	759
26				26	-3	20	780
27	.14			31	0	16	796
28	T			28	-6	21	817
29				13	-17	34	851

WELLESLEY ISLAND

MARCH 1980

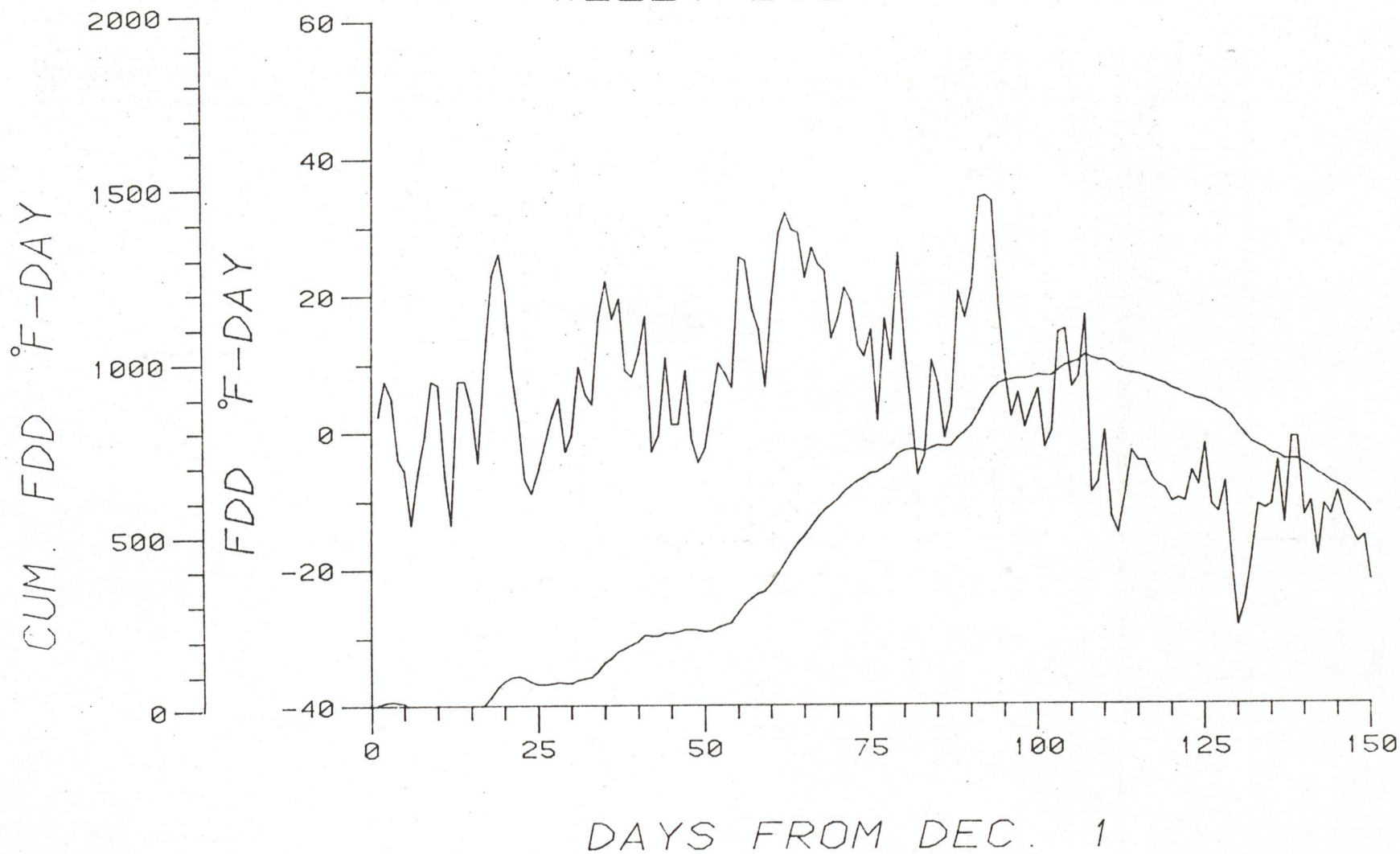
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				10	-15	34	886
2				15	-19	33	919
3				31	-4	18	938
4	T			36	11	8	946
5	.16			39	21	2	948
6	.06			38	15	5	954
7	.01			39	24	0	954
8	.06			33	24	3	958
9	.32			37	15	6	964
10				48	21	-2	961
11	.48			42	22	0	961
12				27	8	14	976
13	T			26	8	15	991
14	.73			32	19	6	997
15	T			30	18	8	1005
16				34	-4	17	1022
17	T			59	23	-9	1013
18	.34			49	30	-7	1006
19				45	19	0	1006
20				59	30	-12	993
21	.91			54	40	-15	978
22	.70			50	32	-9	969
23				45	25	-3	966
24				44	29	-4	962
25	.39			40	33	-4	957
26	.05			47	31	-7	950
27				51	29	-8	942
28				55	26	-8	934
29	.13			52	33	-10	923
30				51	33	-10	913
31				53	32	-10	903

WELLESLEY ISLAND

APRIL 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				54	22	-6	897
2	.12			52	28	-8	889
3				48	20	-2	887
4	.31			52	34	-11	876
5	.19			55	33	-12	864
6				51	28	-7	856
7				70	31	-18	838
8				71	50	-28	809
9	1.83			63	46	-25	784
10	.74			62	40	-19	765
11	.04			50	36	-11	754
12	.57			50	37	-11	743
13	.03			50	36	-11	732
14	.20			45	28	-4	727
15	.39			53	38	-13	714
16	.06			43	23	-1	713
17				43	23	-1	712
18	.05			56	33	-12	699
19				59	26	-10	689
20	T			61	40	-18	670
21				58	28	-11	659
22				58	31	-12	647
23				56	26	-9	638
24				52	37	-12	625
25	.32			51	42	-14	611
26	.02			59	38	-16	594
27				65	30	-15	579
28	.49			64	44	-22	557
29	1.47			53	44	-16	540
30	.02			63	44	-21	519

WELL. ISL. 1979-80



WELLESLEY ISLAND

DECEMBER 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				49	35	-10	-10
2	.43			47	32	-7	-17
3	1.14			49	14	0	-17
4				21	5	19	2
5				24	3	18	20
6				29	3	16	36
7	T			34	12	9	45
8	1.10			52	31	-9	36
9	.02			45	29	-5	31
10	.05			37	20	3	34
11	.02			34	-2	16	50
12	.09			27	0	18	69
13	.01			37	14	6	75
14	.07			27	5	16	91
15	.02			23	-9	25	116
16	T			14	3	23	140
17	T			10	-7	30	170
18	.09			35	1	14	184
19	.08			29	5	15	199
20	T			13	-17	34	233
21	T			20	2	21	254
22	.02			24	1	19	274
23	.01			32	18	7	281
24	.36			33	6	12	293
25	.03			5	-26	42	335
26	.29			17	-21	34	369
27	.14			20	-4	24	393
28				34	-9	19	413
29	.04			35	30	-1	412
30	.01			33	4	13	425
31				8	-1	28	454

WELLESLEY ISLAND

JANUARY 1981

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				13	-17	34	488
2	.19			27	0	18	506
3				0	-27	45	552
4				-13	-38	57	609
5				10	-18	36	645
6	.08			25	-1	20	665
7	.21			28	5	15	681
8				7	-15	36	717
9	.05			20	-13	28	745
10	.08			17	-4	25	771
11				-3	-26	46	817
12				3	-25	43	860
13				7	-17	37	897
14				17	-4	25	923
15				19	-11	28	951
16	.10			15	-13	31	982
17	.04			16	-2	25	1007
18	T			27	-11	24	1031
19				33	20	5	1036
20				32	10	11	1047
21				22	-13	27	1075
22	.02			32	14	9	1084
23	T			33	22	4	1088
24				33	19	6	1094
25				37	-2	14	1109
26	T			47	32	-7	1101
27	D.01			32	25	3	1105
28				32	11	10	1115
29				23	7	17	1132
30				19	1	22	1154
31				29	-3	19	1173

WELLESLEY ISLAND

FEBRUARY 1981

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	1.10			38	10	8	1181
2	.03			41	27	-2	1179
3				29	4	15	1195
4	.03			17	1	23	1218
5	T			15	-11	30	1248
6	.03			28	10	13	1261
7	.08			35	18	5	1266
8				39	26	0	1265
9	.10			32	14	9	1274
10	.03			38	15	5	1280
11	.62			53	35	-12	1268
12	.30			35	2	13	1281
13	T			26	-3	20	1302
14				37	9	9	1311
15				44	15	2	1313
16				53	28	-8	1305
17	.20			48	38	-11	1294
18				56	45	-18	1275
19	.39			53	36	-12	1263
20	.54			52	43	-15	1247
21	.15			50	41	-13	1234
22				63	37	-18	1216
23	.07			51	46	-21	1194
24	.34			51	36	-11	1183
25				42	33	-5	1177
26	.04			40	33	-4	1173
27				37	24	1	1174
28	.09			44	19	0	1175

WELLESLEY ISLAND

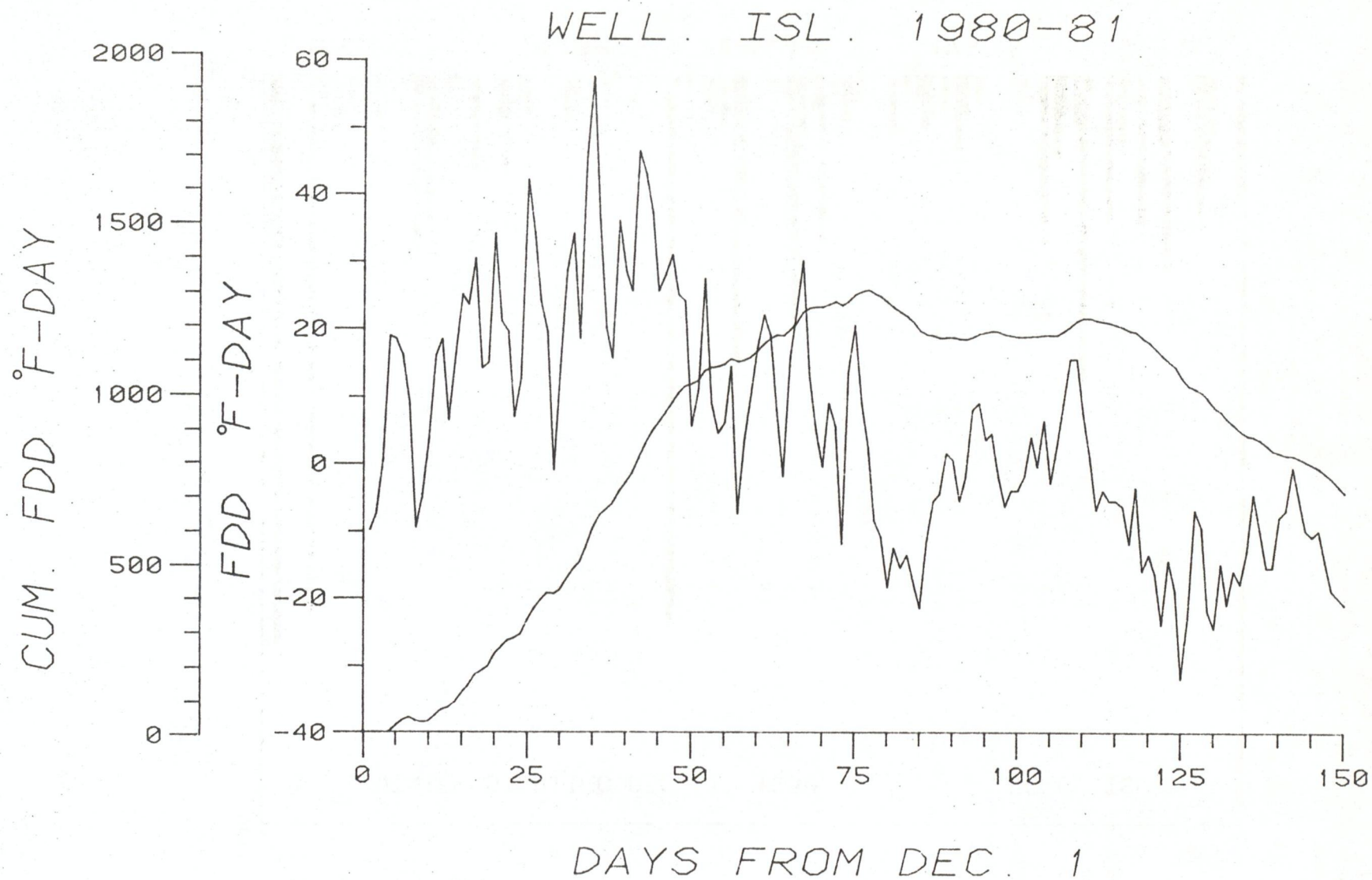
MARCH 1981

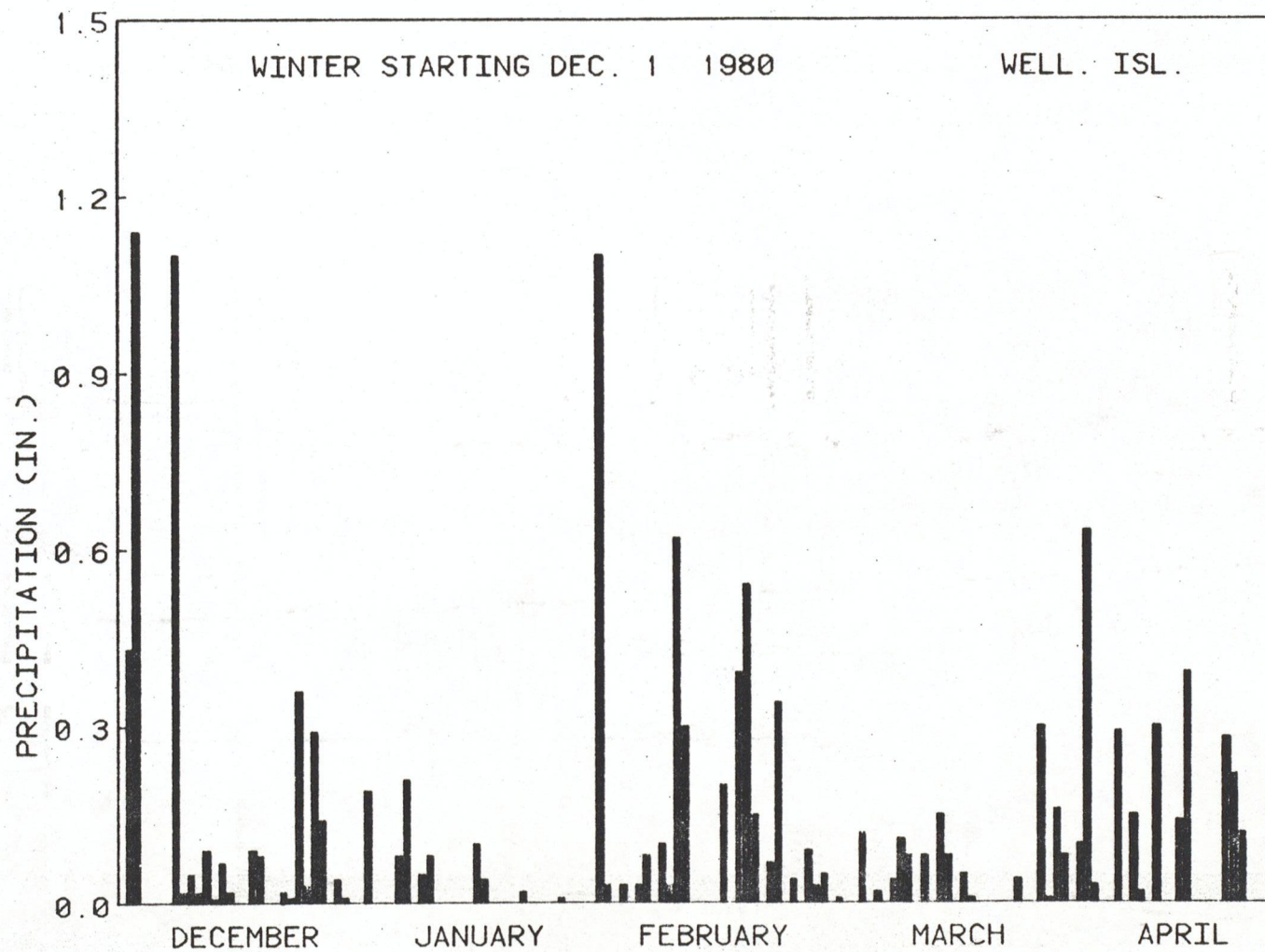
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.03			41	34	-5	1169
2	.05			38	30	-2	1167
3	T			36	12	8	1175
4	.01			32	14	9	1184
5				35	22	3	1188
6				38	17	4	1192
7	.12			41	27	-2	1190
8				45	32	-6	1184
9	.02			40	32	-4	1180
10				46	26	-4	1176
11	.04			39	29	-2	1174
12	.11			37	19	4	1178
13	.08			40	25	0	1177
14				37	14	6	1184
15	D.08			47	23	-3	1181
16				44	14	3	1184
17	.15			36	10	9	1193
18	.08			29	4	15	1208
19				30	3	15	1224
20	.05			33	16	7	1231
21	.01			41	21	1	1232
22				48	30	-7	1225
23				51	21	-4	1221
24				51	24	-5	1216
25				53	22	-5	1210
26				52	25	-6	1204
27	.04			53	35	-12	1192
28				51	20	-3	1188
29				61	35	-16	1172
30	.30			57	34	-13	1159
31	.01			55	42	-16	1142

WELLESLEY ISLAND

APRIL 1981

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.16			74	38	-24	1118
2	.08			55	38	-14	1104
3				68	34	-19	1085
4	.10			79	49	-32	1053
5	.63			68	42	-23	1030
6	.03			49	29	-7	1023
7				55	28	-9	1013
8				72	36	-22	991
9	.29			65	48	-24	967
10				62	32	-15	952
11	.15			64	42	-21	931
12	.02			64	32	-16	915
13				66	34	-18	897
14	.30			54	36	-13	884
15				49	24	-4	879
16				54	30	-10	869
17	.14			54	41	-15	854
18	.39			59	36	-15	838
19				53	27	-8	830
20				47	31	-7	823
21				43	22	0	823
22				52	22	-5	818
23	.28			49	35	-10	808
24	.22			47	39	-11	797
25	.12			46	38	-10	787
26				55	38	-14	772
27				62	40	-19	753
28				62	42	-20	733
29	.24			60	46	-21	712
30				61	39	-18	694





CHAPTER III
WEATHER DATA AT OGDENSBURG

Notations:

PPT = Precipitation, Inches
SNF = Snowfall, Inches
ONGR = Snow on Ground, Inches
TEMP = Air Temperature, Deg. F
FDD = Freezing Degree-Days, Deg. F-Day
CUM = Cumulative Freezing-Degree Days, Deg. F-Day

OGDENSBURG

DECEMBER 1971

DAY	PPT	SNOW		TEMPERATURE			CUM
		SNF	CNGR	MAX	MIN	FDD	
1				34	12	9	9
2				25	-6	22	31
3	.30			38	20	3	34
4	.25			37	17	5	39
5	.36			34	-4	17	56
6	.15			37	25	1	57
7	.05			36	28	0	57
8	.02			33	27	2	59
9	.04			37	26	0	60
10	.04			40	32	-4	56
11	.41			54	33	-11	44
12	-			46	31	-6	38
13	-			42	30	-4	34
14	-			35	19	5	39
15	-			31	25	4	43
16	-			49	27	-6	37
17	-			42	17	2	39
18	-			31	5	14	53
19	-			24	-12	26	79
20	-			38	9	8	88
21	-			39	30	-2	85
22	-			37	4	11	97
23	-			24	4	18	115
24	-			40	3	10	125
25	-			38	3	11	137
26	-			32	2	15	152
27	-			36	3	12	164
28	-			28	8	14	178
29	-			34	13	8	187
30	-			40	14	5	192
31	-			14	-5	27	219

OGDENSBURG

JANUARY 1972

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				37	-6	16	236
2	.39			38	29	-1	234
3				38	24	1	235
4	.60			32	15	8	244
5	.20			18	1	22	266
6				24	-20	30	296
7				33	17	7	303
8				34	-4	17	320
9				40	-5	14	335
10				44	25	-2	332
11				39	21	2	334
12				39	24	0	335
13				54	25	-7	327
14	.03			54	4	3	330
15	.04			26	5	16	347
16				10	-18	36	383
17	.02			27	-15	26	409
18				42	22	0	409
19				48	28	-6	403
20				38	15	5	408
21				21	0	21	430
22				42	-4	13	443
23	.04			45	33	-7	436
24				35	20	4	440
25				47	9	4	444
26				23	0	20	464
27				18	4	21	485
28				26	14	12	497
29				25	5	17	514
30				25	9	15	529
31				26	6	16	545

OGDENSBURG

FEBRUARY 1972

DAY	PPT	SNOW		TEMPERATURE			
		SNF	UNGR	MAX	MIN	FDD	CUM
1				27	10	13	559
2				27	4	16	575
3				32	8	12	587
4	1.48			32	12	10	597
5				30	2	16	613
6				16	6	21	634
7				12	-5	28	663
8				9	-8	31	694
9				22	-10	26	720
10				21	-20	31	752
11				23	-20	30	782
12				39	9	8	790
13	.02			36	19	4	795
14	.18			42	28	-3	792
15	.10			44	33	-6	785
16				38	13	6	792
17				28	0	18	810
18				28	4	16	826
19	.70			31	16	8	834
20	1.36			25	0	19	853
21	.10			8	-12	34	887
22				10	-2	28	915
23				12	-31	41	957
24	.08			19	-2	24	981
25				24	-20	30	1011
26				24	11	14	1025
27				32	4	14	1039
28	.24			38	12	7	1046
29	.05			35	20	4	1051

OGDENSBURG

MARCH 1972

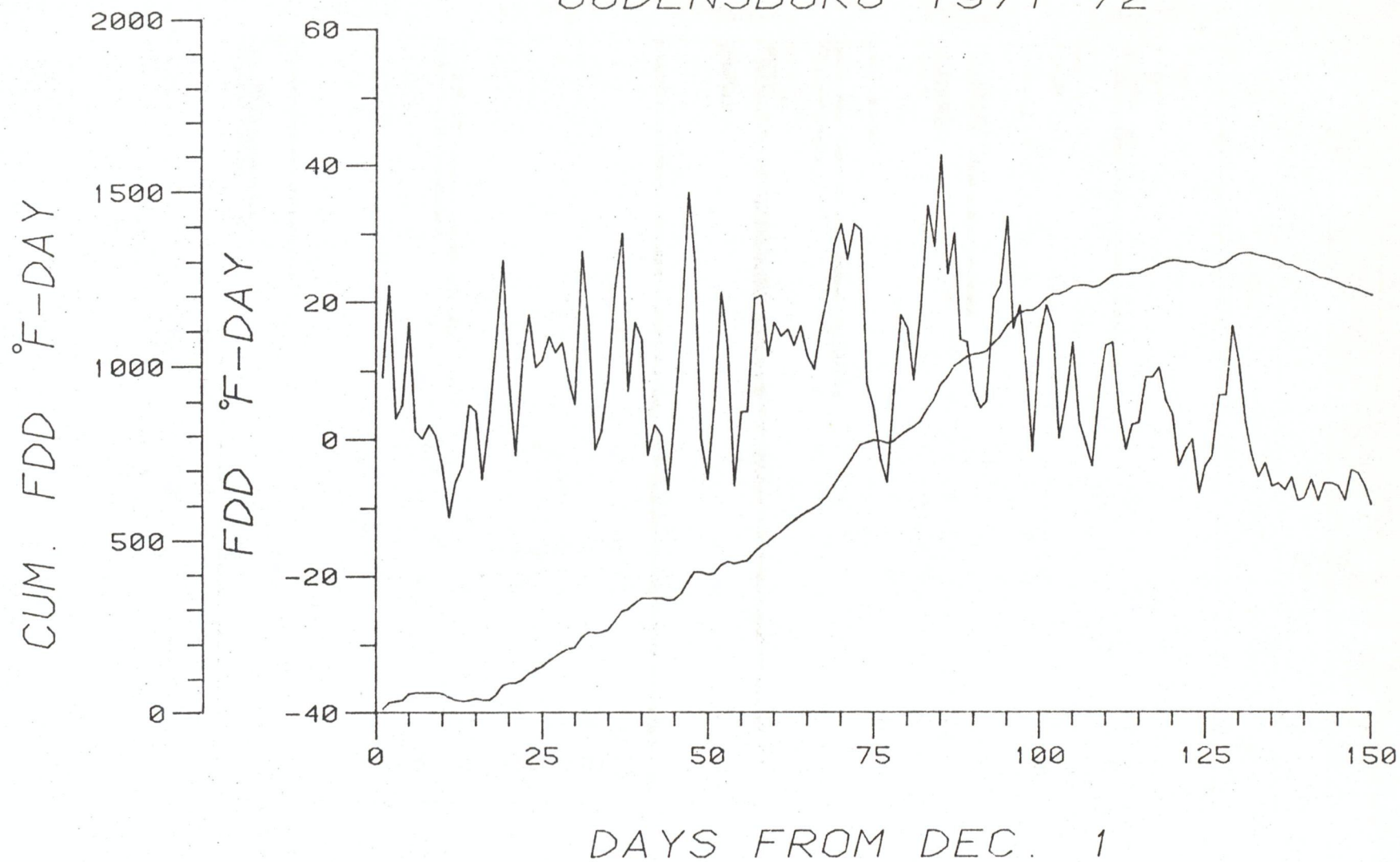
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				33	20	5	1056
2	.70			22	1	20	1077
3				14	5	22	1099
4				13	-14	32	1132
5				26	6	16	1148
6				23	2	19	1167
7	.19			44	1	9	1177
8				46	22	-2	1175
9				32	3	14	1189
10				23	2	19	1209
11				32	-1	16	1225
12				39	25	0	1225
13				38	15	5	1231
14				24	12	14	1245
15	.10			39	20	2	1247
16				37	28	0	1247
17	.20			40	32	-4	1243
18	.20			37	13	7	1250
19				27	10	13	1263
20				32	4	14	1277
21				34	22	4	1281
22	.54			40	27	-1	1280
23	.18			35	25	2	1282
24	.22			39	20	2	1284
25				32	14	9	1293
26				33	13	9	1302
27	.02			33	10	10	1313
28				40	13	5	1318
29				42	15	3	1322
30	.14			40	32	-4	1318
31				41	26	-1	1316

OGDENSBURG

APRIL 1972

DAY	FPT	SNOW		TEMPERATURE			CUM
		SNF	ONGR	MAX	MIN	FDD	
1				44	20	0	1316
2				42	38	-8	1308
3				44	28	-4	1304
4	.10			44	25	-2	1302
5				36	15	6	1308
6				36	15	6	1315
7	.11			28	3	16	1331
8				36	6	11	1342
9				41	18	2	1345
10				45	24	-2	1342
11				46	29	-5	1337
12				48	23	-3	1333
13	.65			45	33	-7	1326
14	.08			49	28	-6	1320
15	.22			49	30	-7	1312
16	.11			42	33	-5	1307
17				52	30	-9	1298
18				52	29	-8	1289
19	.17			42	34	-6	1283
20				50	32	-9	1274
21				49	28	-6	1268
22				51	26	-6	1261
23	.10			52	26	-7	1254
24	.04			47	35	-9	1245
25				47	26	-4	1241
26				49	25	-5	1236
27				50	28	-7	1229
28				57	26	-9	1219
29				58	33	-13	1206
30				68	33	-18	1187

OGDENSBURG 1971-72





OGDENSBURG

DECEMBER 1972

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.04			36	25	1	1
2				34	0	15	16
3	.01			25	18	10	27
4				21	4	19	46
5	.25			20	5	19	66
6	.45			53	18	-3	62
7				40	14	5	67
8				24	15	12	80
9	.20			28	23	6	86
10	.10			28	25	5	92
11				27	12	12	104
12	.30			24	12	14	118
13	1.1			43	22	0	118
14				43	25	-2	116
15	-			25	13	13	129
16	-			25	13	13	142
17	-			15	-4	26	168
18	-			30	6	14	182
19	-			28	17	9	192
20	-			30	8	13	205
21	-			16	6	21	226
22	-			30	15	9	235
23	-			34	22	4	239
24	-			37	32	-2	237
25	-			34	20	5	242
26	-			30	18	8	250
27	-			30	20	7	257
28	-			24	20	10	267
29	-			21	8	17	284
30	-			16	8	20	304
31	-			34	15	7	312

OGDENSBURG

JANUARY 1973

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1	.40			52	32	-10	302
2				33	28	1	303
3				30	26	4	307
4	.23			38	15	5	313
5	-			36	28	0	313
6	-			29	7	14	327
7	-			7	-2	29	356
8	-			4	-17	38	395
9	-			18	-13	29	424
10	-			25	16	11	436
11	-			25	14	12	448
12	-			22	-12	27	475
13	-			30	-11	22	498
14	-			30	24	5	503
15	-			35	23	3	506
16	-			36	23	2	508
17	-			45	31	-6	502
18	-			50	38	-12	490
19				52	41	-14	476
20	.14			52	16	-2	474
21				24	9	15	489
22				33	15	8	497
23	.67			43	33	-6	491
24				40	23	0	492
25				35	20	4	496
26				40	35	-5	491
27				42	33	-5	485
28				35	18	5	491
29	.41			28	11	12	503
30				28	1	17	521
31	.22			26	-20	29	550

OGDENSBURG

FEBRUARY 1973

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				15	-11	30	580
2	.69			50	2	6	586
3	.60			45	23	-2	584
4				38	24	1	585
5				40	11	6	591
6				25	7	16	607
7				37	17	5	612
8	.22			37	18	4	617
9				20	-3	23	640
10				17	-5	26	666
11				11	-13	33	699
12				9	0	27	727
13				28	0	18	745
14	D			32	2	15	760
15	.55			30	20	7	767
16				24	-6	23	790
17				8	-18	37	827
18				25	-12	25	852
19	*			34	15	7	860
20	*			39	30	-2	857
21	*			38	17	4	862
22	.36			38	12	7	869
23				31	8	12	881
24				30	8	13	894
25				28	0	18	912
26				17	-7	27	939
27				17	-6	26	966
28				23	-8	24	990

OGDENSBURG

MARCH 1973

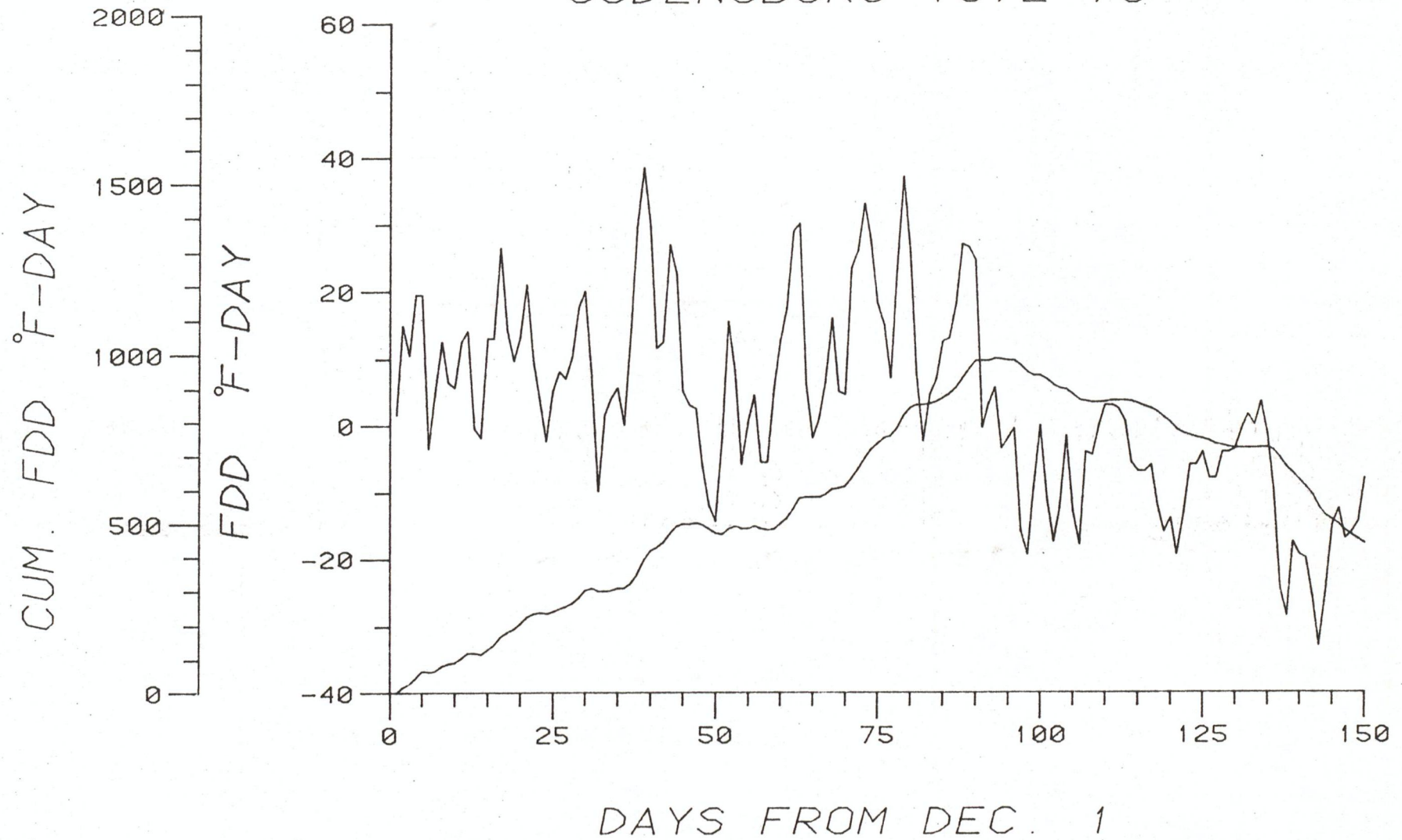
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.01			48	17	0	990
2				38	20	3	993
3	.01			33	20	5	998
4	.05			43	28	-3	995
5				43	25	-2	993
6				36	29	0	992
7				66	30	-16	976
8	.50			62	41	-19	957
9				55	28	-9	947
10	.03			36	28	0	947
11	.10			56	30	-11	936
12	.08			56	43	-17	919
13				56	33	-12	906
14				40	27	-1	905
15	.34			63	27	-13	892
16				62	38	-18	874
17	1.5			42	30	-4	870
18	.23			45	28	-4	865
19	.25			36	28	0	865
20				35	23	3	868
21				35	23	3	871
22				34	25	2	874
23				42	21	0	874
24				51	24	-5	869
25				48	30	-7	862
26	.05			52	26	-7	855
27				50	26	-6	849
28				58	30	-12	837
29				60	36	-16	821
30				55	37	-14	807
31				64	39	-19	787

OGDENSBURG

APRIL 1973

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.72			57	34	-13	774
2	.11			43	33	-6	768
3	.02			41	35	-6	762
4	.50			42	30	-4	758
5				51	29	-8	750
6				50	30	-8	742
7				45	27	-4	738
8				42	30	-4	734
9				43	28	-3	730
10	.29			40	25	0	730
11				34	27	1	731
12				42	22	0	731
13				39	18	3	735
14				49	18	-1	733
15				57	27	-10	723
16				76	37	-24	699
17	.18			75	46	-28	670
18				70	29	-17	653
19				67	36	-19	633
20				66	38	-20	613
21				72	44	-26	587
22	.20			76	54	-33	554
23	.04			66	48	-25	529
24				58	36	-15	514
25				56	33	-12	502
26				60	38	-17	485
27	.17			60	36	-16	469
28	1.10			51	42	-14	454
29	.11			46	34	-8	446
30				53	35	-12	434

OGDENSBURG 1972-73



OGDENSBURG

DECEMBER 1973

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				40	23	0	0
2				30	12	11	11
3				51	20	-3	8
4	.03			55	38	-14	-6
5	.20			47	37	-10	-16
6	.10			53	34	-11	-28
7				37	22	2	-25
8				32	12	10	-15
9				33	18	6	-9
10	1.50			35	28	0	-8
11				36	25	1	-7
12				33	9	11	4
13				33	13	9	13
14	.10			33	15	8	21
15				17	0	23	44
16				10	2	26	70
17	.02			12	4	24	94
18	.40			12	-5	28	123
19	0			12	-20	36	159
20	.60			17	2	22	181
21	*			30	17	8	190
22	*			18	4	21	211
23	*			15	10	19	230
24	*			16	-4	26	256
25	*			20	-4	24	280
26	1.80			45	8	5	285
27	.05			46	32	-7	279
28	.30			46	34	-8	271
29				41	28	-2	268
30				41	23	0	268
31	.20			29	19	8	276

OGDENSBURG

JANUARY 1974

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.05			27	17	10	286
2	.01			28	7	14	301
3				26	11	13	314
4	.01			27	20	8	323
5				27	16	10	333
6				26	23	7	341
7	D.10			28	20	8	349
8				26	-2	20	369
9				22	-3	22	391
10				6	-7	32	424
11				17	4	21	445
12				18	4	21	466
13				20	-4	24	490
14	D.01			30	-4	19	509
15	.20			38	10	8	517
16	D.21			25	-2	20	538
17				13	-8	29	567
18				1	-20	41	609
19				20	-7	25	634
20				20	-12	28	662
21	.06			34	7	11	674
22	.08			42	26	-2	672
23	.08			42	22	0	672
24				42	15	3	675
25				39	28	-1	674
26				46	28	-5	669
27	1.00			53	41	-15	654
28				45	34	-7	647
29				41	30	-3	643
30				41	28	-2	641
31				46	30	-6	635

OGDENSBURG

FEBRUARY 1974

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				0	0	32	657
2				0	0	32	699
3				0	0	32	731
4				0	0	32	763
5				0	0	32	795
6				0	0	32	827
7				0	0	32	859
8				0	0	32	891
9				0	0	32	923
10				0	0	32	955
11				0	0	32	987
12				0	0	32	1019
13				0	0	32	1051
14	NO DATA			0	0	32	1083
15				0	0	32	1115
16				0	0	32	1147
17				0	0	32	1179
18				0	0	32	1211
19				0	0	32	1243
20				0	0	32	1275
21				0	0	32	1307
22				0	0	32	1339
23				0	0	32	1371
24				0	0	32	1403
25				0	0	32	1435
26				0	0	32	1467
27				0	0	32	1499
28				0	0	32	1531

OGDENSBURG

MARCH 1974

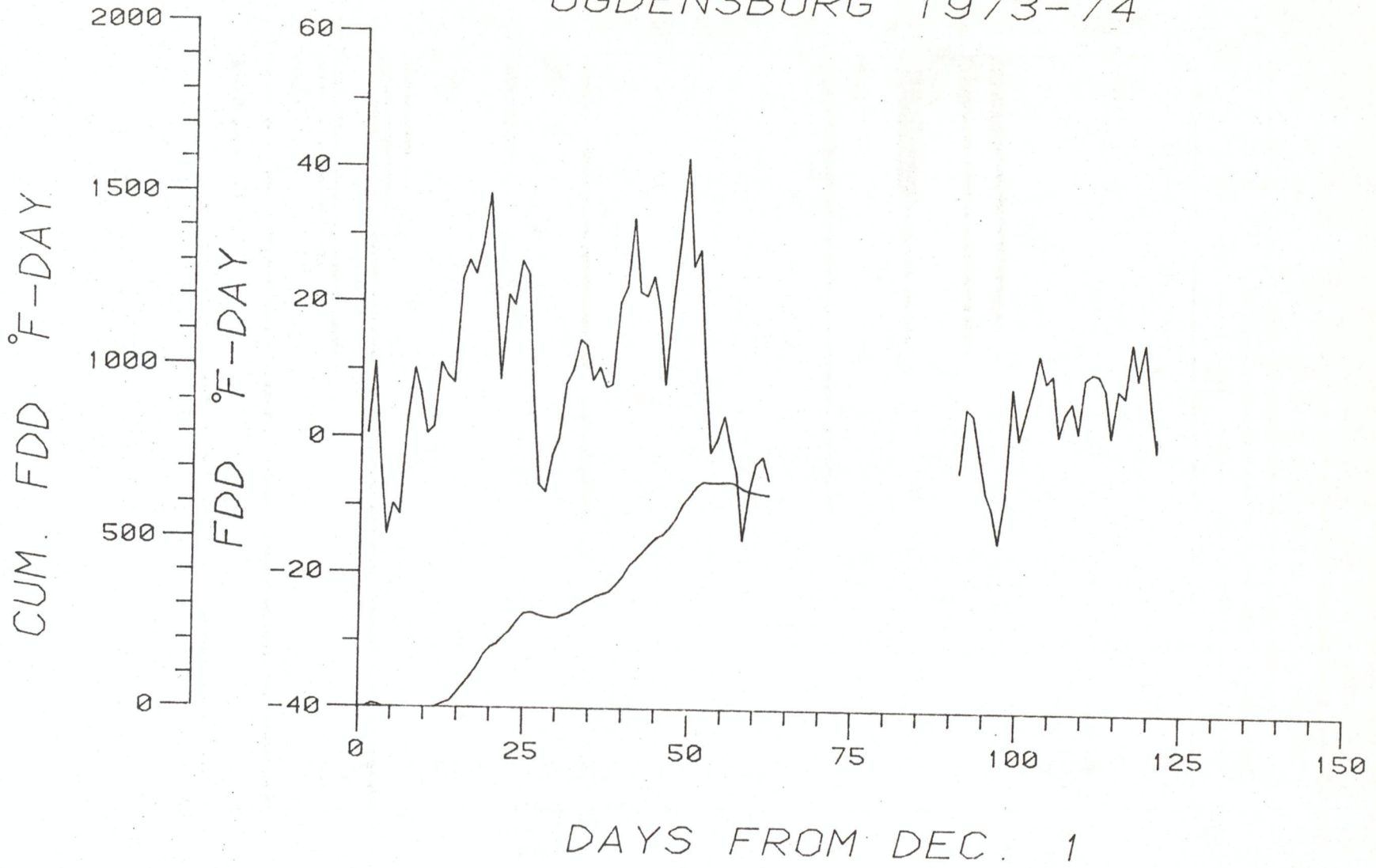
DAY	PPT	SNOW		TEMPERATURE		
		SNF	CNGR	MAX	MIN	FDD
1				46	27	-4
2				35	18	5
3				38	18	4
4	.10			55	13	-2
5	.90			47	32	-7
6				55	29	-10
7				59	35	-15
8				61	19	-8
9				28	20	8
10	D.10			38	25	0
11				39	16	4
12				37	10	8
13				29	9	13
14				34	12	9
15				38	6	10
16	.30			40	22	1
17	.55			35	20	4
18	.30			35	16	6
19	.15			45	16	1
20				36	9	9
21	.10			27	16	10
22	.01			34	10	10
23				45	3	8
24	.01			44	18	1
25	.12			44	4	8
26	.60			38	12	7
27	.06			34	0	15
28				33	12	9
29				28	6	15
30	.19			35	18	5
31	.53			39	27	-1

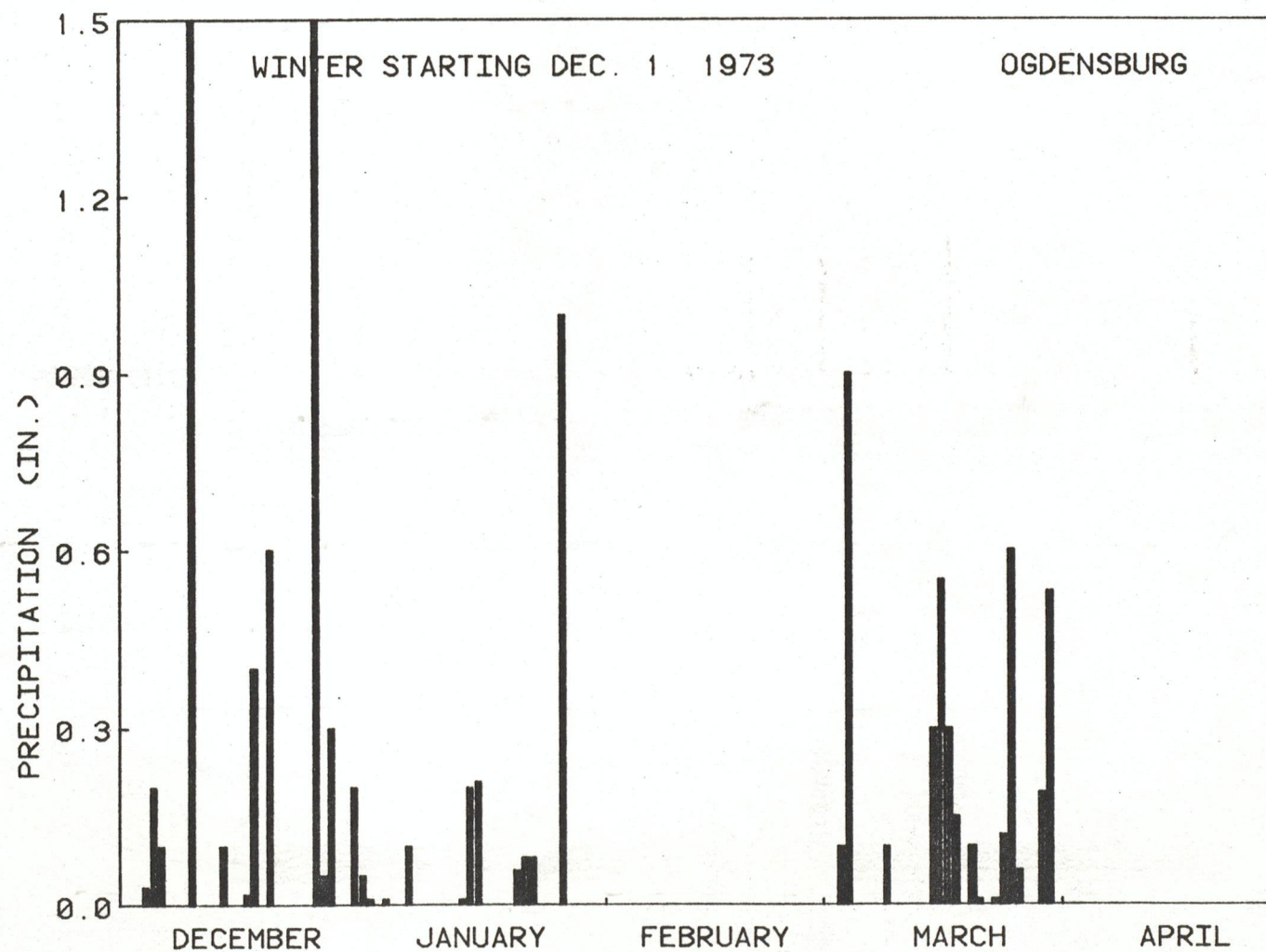
OGDENSBURG

APRIL 1974

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				0	0	32	1689
2				0	0	32	1721
3				0	0	32	1753
4				0	0	32	1785
5				0	0	32	1817
6				0	0	32	1849
7				0	0	32	1881
8				0	0	32	1913
9				0	0	32	1945
10				0	0	32	1977
11				0	0	32	2009
12				0	0	32	2041
13				0	0	32	2073
14				0	0	32	2105
15	NO DATA			0	0	32	2137
16				0	0	32	2169
17				0	0	32	2201
18				0	0	32	2233
19				0	0	32	2265
20				0	0	32	2297
21				0	0	32	2329
22				0	0	32	2361
23				0	0	32	2393
24				0	0	32	2425
25				0	0	32	2457
26				0	0	32	2489
27				0	0	32	2521
28				0	0	32	2553
29				0	0	32	2585
30				0	0	32	2617

OGDENSBURG 1973-74





OGDENSBURG

DECEMBER 1974

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				30	12	11	11
2				31	12	10	21
3	.22			31	24	4	26
4				29	14	10	36
5				33	10	10	47
6				34	26	2	49
7				43	22	0	48
8	.99			50	31	-8	40
9	.03			48	20	-2	38
10	T			32	18	7	45
11				36	29	0	44
12	.06			38	33	-3	41
13				40	29	-2	38
14	T			37	24	1	40
15				30	15	9	49
16	.09			34	19	5	55
17	.07			34	28	1	56
18				35	25	2	58
19	T			38	28	-1	57
20	T			32	25	3	60
21				30	24	5	65
22				30	20	7	72
23				39	24	0	73
24				40	28	-2	71
25	.03			37	15	6	77
26				20	-10	27	104
27				34	14	8	112
28				39	29	-2	110
29	T			37	31	-2	108
30	.09			37	29	-1	107
31				34	14	8	115

OGDENSBURG

JANUARY 1975

DAY	FPT	SNCW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.07			32	21	5	120
2	.15			32	14	9	129
3	.01			29	5	15	144
4	.01			35	26	1	146
5				31	1	16	162
6				22	-3	22	184
7	T			36	11	8	193
8				37	27	0	193
9	.03			40	33	-4	188
10				44	33	-6	182
11	.04			60	31	-13	168
12				47	31	-7	161
13				34	26	2	163
14	T			28	19	8	172
15				0	0	32	204
16	.05			29	9	13	217
17				25	-7	23	240
18	.02			32	5	13	253
19				37	24	1	255
20				25	-14	26	281
21				30	-13	23	305
22				34	4	13	318
23				24	-8	24	342
24	.22			35	21	4	346
25	.02			35	24	2	348
26	.12			38	10	8	356
27	.54			19	4	20	377
28				29	8	13	390
29	.08			26	18	10	400
30				23	1	20	420
31	T			24	-4	22	442

OGDENSBURG

FEBRUARY 1975

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				24	-5	22	465
2				25	-13	26	491
3				25	7	16	507
4				14	-12	31	538
5	.07			14	2	24	562
6	.15			26	12	13	575
7				26	15	11	586
8	.10			28	-4	20	606
9				26	4	17	623
10				19	-12	28	652
11	.07			21	11	16	668
12				22	-7	24	692
13	.07			15	-2	25	718
14	T			0	-4	34	752
15				38	2	12	764
16	T			36	2	13	777
17				35	4	12	789
18	.16			38	19	3	793
19	.05			37	32	-2	790
20	.02			35	26	1	792
21				41	29	-3	789
22				44	24	-2	787
23	.02			45	35	-8	779
24	.16			37	29	-1	778
25	T			40	31	-3	774
26	T			37	28	0	774
27				37	27	0	774
28				36	21	3	777

OGDENSBURG

MARCH 1975

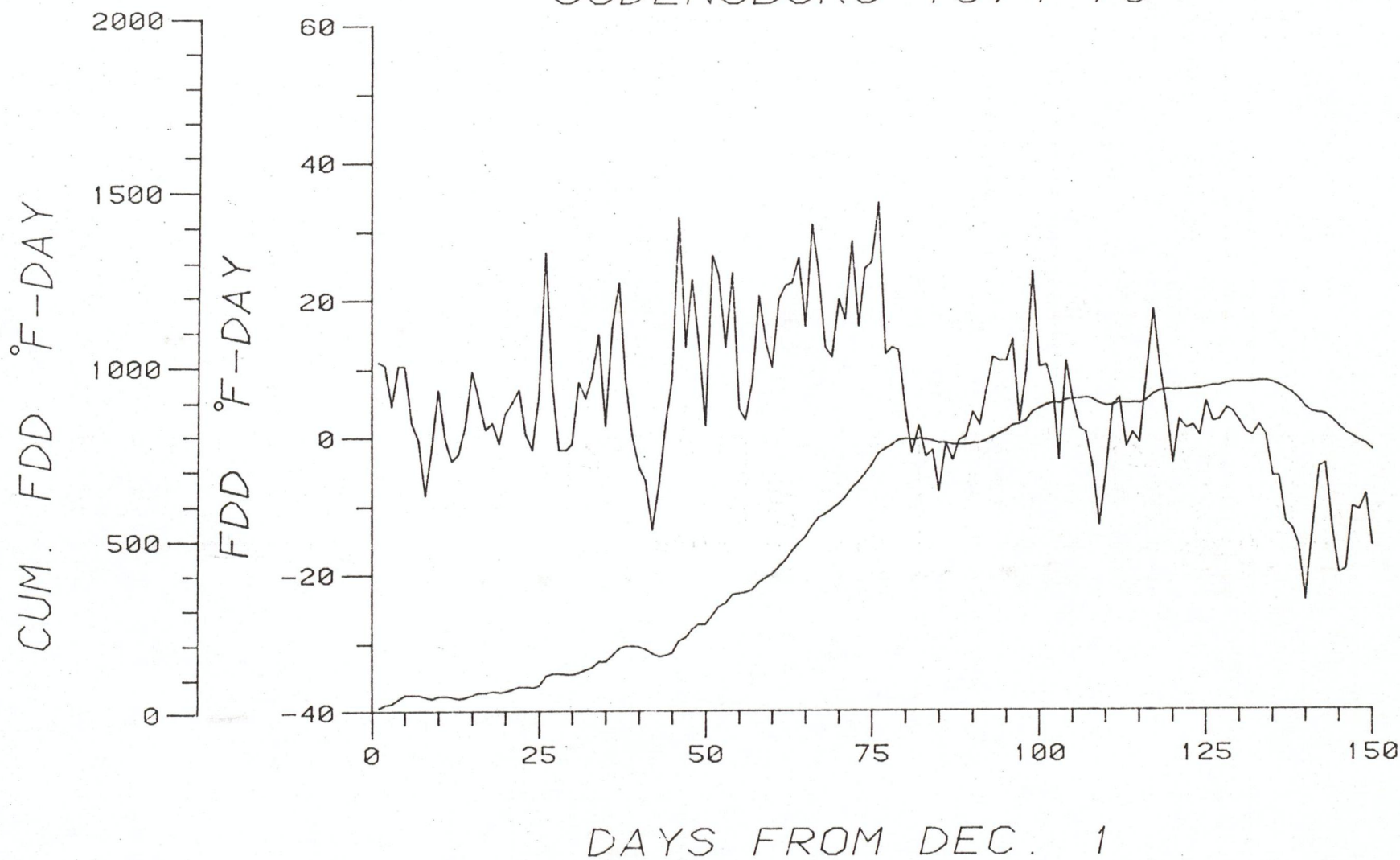
DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1	T			38	23	1	779
2	T			31	20	6	785
3	T			28	13	11	797
4				28	14	11	808
5				36	6	11	819
6	.09			36	0	14	833
7	T			39	21	2	835
8	.02			36	9	9	844
9				20	-4	24	868
10	.06			32	12	10	878
11				37	6	10	889
12				42	8	7	896
13				43	28	-3	892
14				37	5	11	903
15	-			37	17	5	908
16				41	21	1	909
17				42	21	0	910
18				55	18	-4	905
19	.07			54	36	-13	892
20	.02			42	33	-5	887
21				40	15	4	891
22				35	18	5	897
23	.12			39	28	-1	895
24	T			38	25	0	896
25	.53			38	28	-1	895
26				37	9	9	904
27				21	6	18	922
28				31	12	10	933
29	.02			37	19	4	937
30				41	31	-4	933
31				40	19	2	935

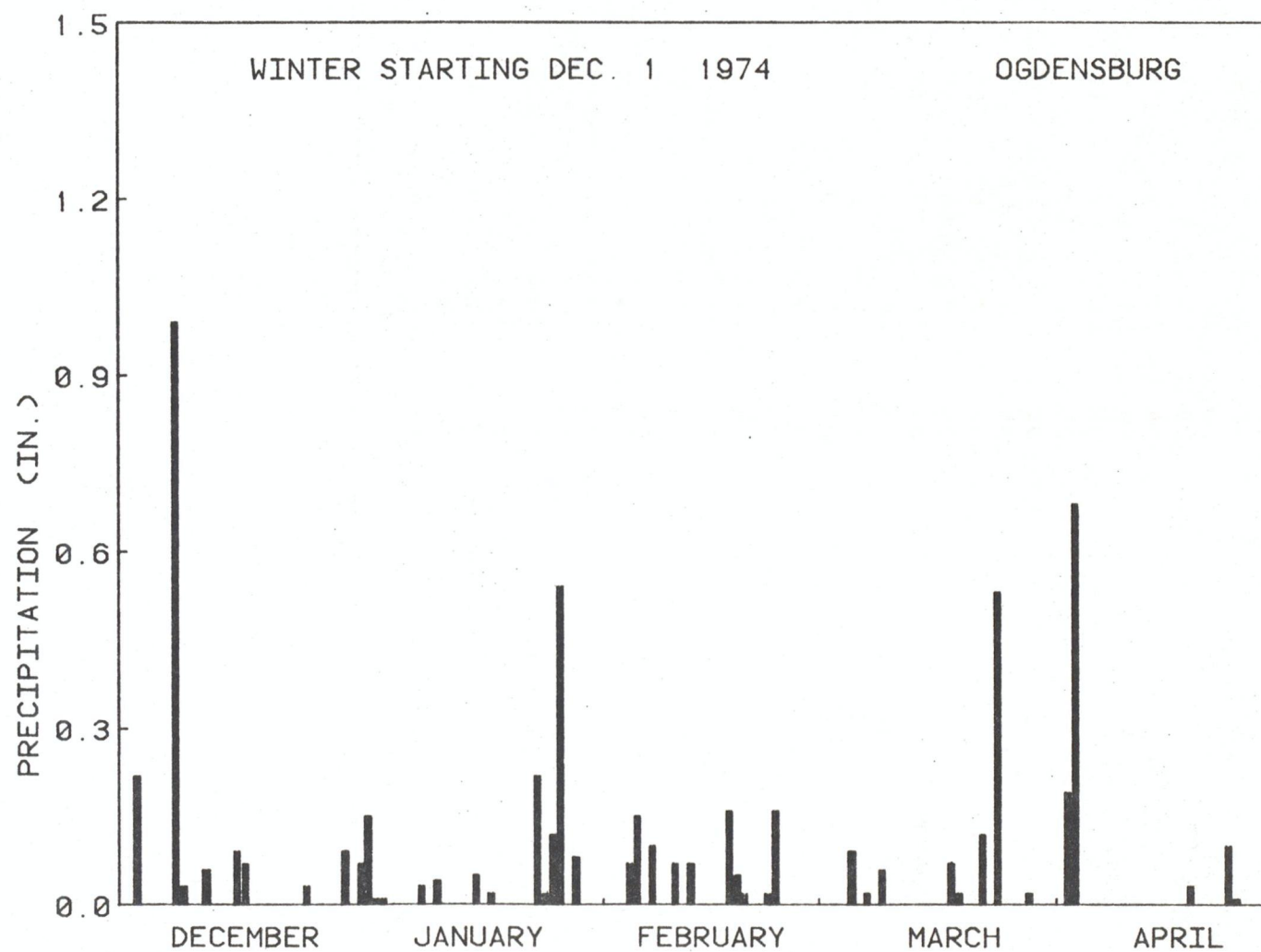
OGDENSBURG

APRIL 1975

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1				39	23	1	936
2				39	22	1	938
3	.19			38	26	0	938
4	.68			32	22	5	943
5				38	22	2	945
6	T			38	21	2	947
7	T			32	24	4	951
8				33	24	3	955
9				36	24	2	957
10				40	23	0	957
11				41	23	0	957
12				40	21	1	959
13				41	23	0	959
14				51	25	-6	953
15				51	25	-6	947
16				58	31	-12	934
17				59	32	-13	921
18				64	32	-16	905
19	.03			64	48	-24	881
20				54	38	-14	867
21				47	26	-4	862
22				51	21	-4	858
23				64	27	-13	845
24	.10			64	40	-20	825
25	.01			62	41	-19	805
26				51	34	-10	795
27				50	36	-11	784
28				53	28	-8	775
29				63	33	-16	759
30				57	38	-15	744

OGDENSBURG 1974-75





OGDENSBURG

DECEMBER 1975

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1	T			56	30	-11	-11
2	.09			32	22	5	-6
3				29	22	6	0
4				28	9	13	14
5				44	10	5	19
6	.04			52	33	-10	8
7				34	11	9	18
8				25	12	13	31
9	.02			30	18	8	39
10				35	28	0	40
11				34	27	1	41
12				29	8	13	55
13				24	14	13	68
14	.04			53	18	-3	64
15	.07			56	30	-11	53
16	D			37	7	10	63
17	.45			30	9	12	76
18	T			32	4	14	90
19				6	-16	37	127
20	T			0	-24	44	171
21	.03			10	0	27	198
22				20	0	22	220
23				22	9	16	236
24				11	-10	31	268
25	D			12	2	25	293
26	.40			22	9	16	309
27	T			23	17	12	321
28				28	-2	19	340
29				25	-5	22	362
30	.19			35	0	14	377
31	.07			37	31	-2	375

OGDENSBURG

JANUARY 1976

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				34	17	6	381
2				21	-8	25	407
3	.27			32	10	11	418
4	.14			32	6	13	431
5				11	-9	31	462
6				21	-6	24	486
7	T			30	20	7	493
8				32	-5	18	512
9				16	-8	28	540
10				16	-14	31	571
11				9	-12	33	604
12	T			10	0	27	631
13				21	-10	26	658
14	D.5			32	14	9	667
15				29	7	14	681
16	.13			29	-6	20	701
17	.02			32	-9	20	722
18				1	-21	42	764
19				21	-21	32	796
20	T			34	18	6	802
21	T			0	0	32	834
22				22	-10	26	860
23				-10	-23	48	908
24				-3	-18	42	951
25				0	-21	42	993
26	.07			46	-3	10	1004
27	.06			47	28	-5	998
28	T			31	21	6	1004
29	.08			33	3	14	1018
30				29	-6	20	1039
31	T			17	-14	30	1069

OGDENSBURG

FEBRUARY 1976

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				40	13	5	1075
2	.02			39	-14	19	1094
3				19	-4	24	1119
4	T			32	14	9	1128
5				25	5	17	1145
6				20	8	18	1163
7				19	2	21	1184
8	.39			29	3	16	1200
9	.03			29	-3	19	1219
10				44	13	3	1223
11				45	28	-4	1218
12	.13			39	2	11	1230
13				45	19	0	1230
14				39	13	6	1236
15	.02			39	11	7	1243
16				45	27	-4	1239
17	.04			31	23	5	1244
18	.03			31	22	5	1249
19	.03			43	28	-3	1245
20	T			38	26	0	1246
21	T			37	22	2	1248
22	.08			34	24	3	1251
23	.29			25	-3	21	1272
24				39	12	6	1279
25				53	23	-6	1273
26				53	35	-12	1261
27	T			44	33	-6	1254
28	.06			37	16	5	1260
29	.23			43	9	6	1266

OGDENSBURG

MARCH 1976

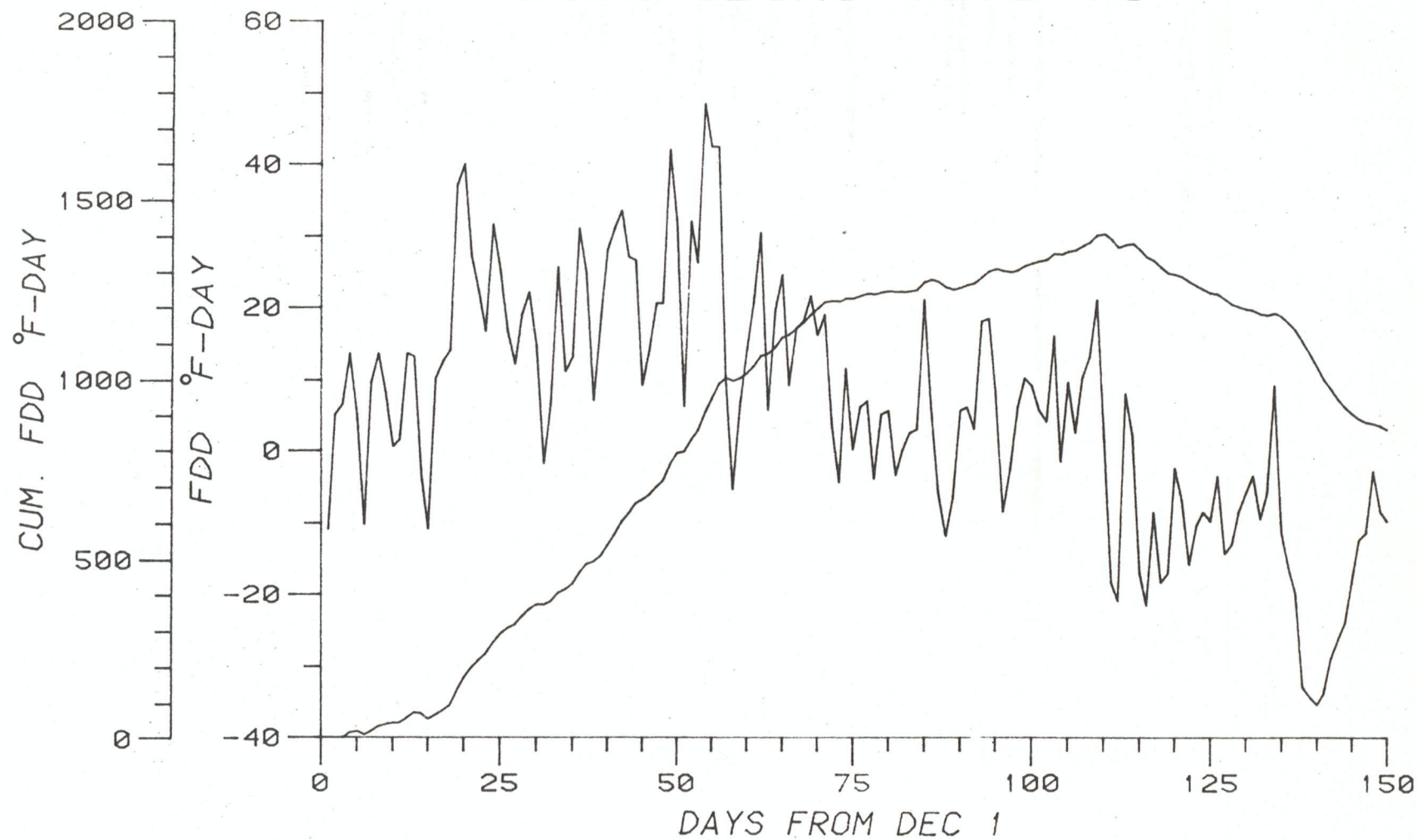
DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1				43	15	3	1269
2	.03			22	6	18	1287
3	.07			13	9	18	1305
4	.09			32	16	8	1313
5	.26			52	29	-8	1305
6				49	20	-2	1302
7	.01			34	18	6	1308
8				33	11	10	1318
9				37	9	9	1327
10	T			35	18	5	1333
11	.04			34	22	4	1337
12				30	2	16	1353
13	.02			40	27	-1	1351
14	.01			38	7	9	1361
15				35	24	2	1363
16	T			34	10	10	1373
17				29	9	13	1386
18				27	-5	21	1407
19	.17			43	17	2	1409
20				62	39	-18	1391
21	.21			64	42	-21	1370
22				43	5	8	1378
23				44	16	2	1380
24				64	34	-17	1363
25	.08			63	44	-21	1341
26				53	28	-8	1333
27				72	0	-4	1329
28	.17			68	30	-17	1312
29				44	25	-2	1309
30				46	32	-7	1302
31				61	35	-16	1286

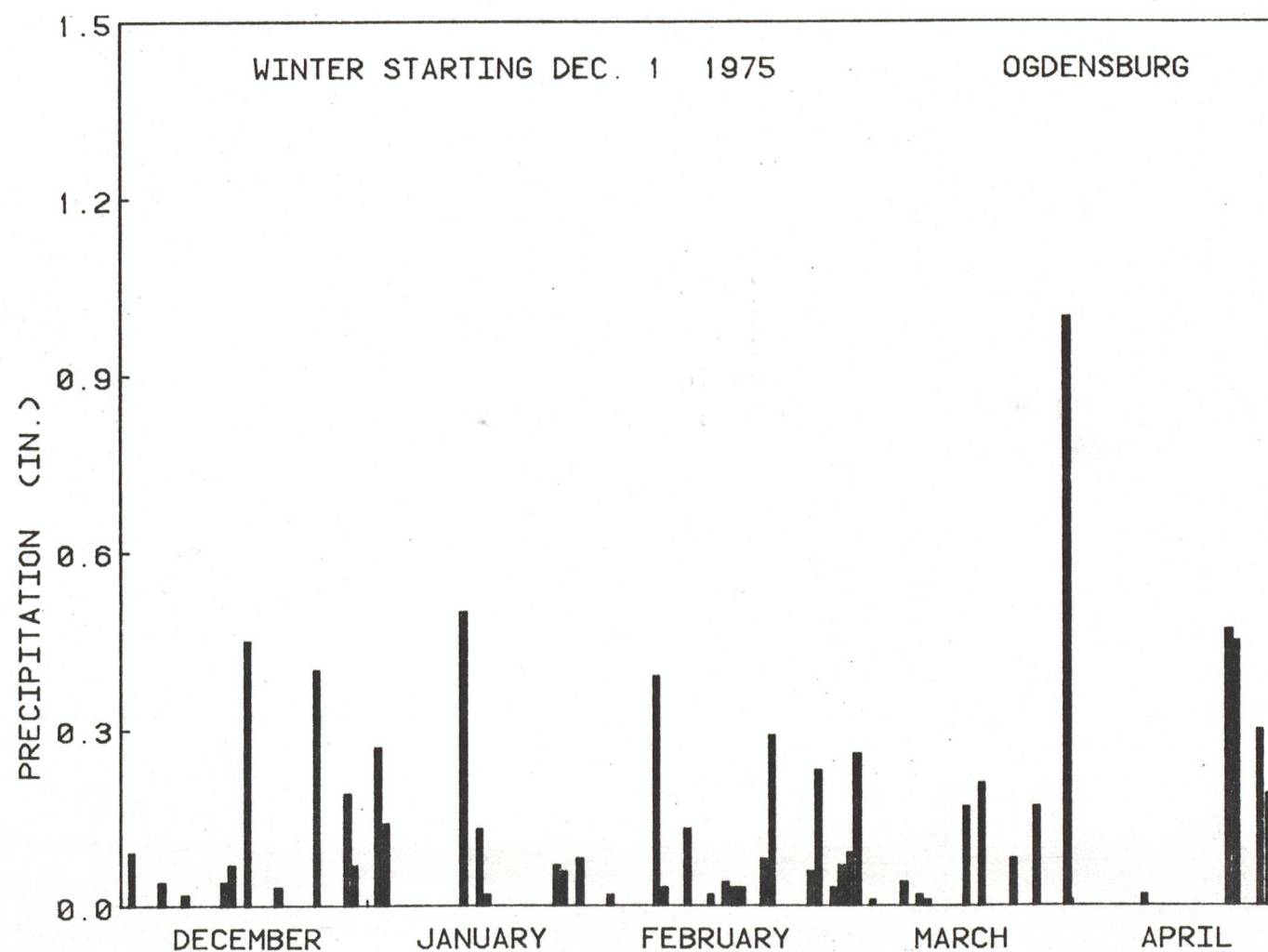
OGDENSBURG

APRIL 1976

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	1.0			47	38	-10	1276
2	T			50	31	-8	1267
3				50	34	-10	1257
4				44	27	-3	1254
5				61	32	-14	1239
6				59	31	-13	1226
7				53	28	-8	1218
8				46	30	-6	1212
9				45	26	-3	1208
10				57	26	-9	1199
11	.02	0.9	1	55	21	-6	1193
12	T		T	38	8	9	1202
13			T	60	27	-11	1190
14				65	32	-16	1174
15	T			66	38	-20	1154
16				76	54	-33	1121
17				81	52	-34	1086
18				82	53	-35	1051
19				82	50	-34	1017
20				76	46	-29	988
21				72	45	-26	961
22	.47			69	43	-24	937
23	.45			60	41	-18	919
24	T			55	34	-12	906
25			T	54	33	-11	895
26	.30		T	39	31	-3	892
27	.19			47	34	-8	883
28	.09			50	34	-10	873
29	.03			63	38	-18	855
30				63	38	-18	836

OGDENSBURG 1975-76





OGDENSBURG

DECEMBER 1976

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.50			23	-2	21	21
2	.33			27	13	12	33
3				15	-15	32	65
4	T			18	-5	25	91
5	T			27	2	17	108
6				33	3	14	122
7	.41			38	22	2	124
8				27	-6	21	146
9	T			1	-7	35	181
10	.02			18	3	21	202
11				42	13	4	207
12				33	14	8	215
13	.29			33	-4	17	233
14	T			35	-12	20	253
15				39	31	-3	250
16				34	23	3	254
17	.02			34	22	4	258
18				30	12	11	269
19				30	1	16	285
20	.14			28	18	9	294
21				30	4	15	309
22				15	-3	26	335
23				30	13	10	346
24				29	5	15	361
25				33	12	9	370
26	.11			33	24	3	374
27				27	-7	22	396
28				5	-8	33	429
29	T			10	-2	28	457
30	T			12	-4	28	485
31				12	-5	28	514

OGDENSBURG

JANUARY 1977

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.08			14	-5	27	541
2	T			21	6	18	560
3				27	14	11	571
4	.04			30	22	6	577
5				29	7	14	591
6				24	-5	22	614
7	T			28	11	12	626
8				25	-6	22	649
9				8	-3	29	678
10	.19			10	-6	30	708
11	.12			10	-2	28	736
12				16	-18	33	769
13				13	-22	36	806
14	.06			15	3	23	829
15	T			18	-2	24	853
16	.03			20	-6	25	878
17	T			6	-11	34	912
18				-4	-24	46	958
19	.03			25	-7	23	981
20	.04			29	11	12	993
21	.02			28	5	15	1009
22				18	-8	27	1036
23				12	-10	31	1067
24	.10			29	9	13	1080
25				31	20	6	1086
26				31	14	9	1096
27	.05			23	8	16	1112
28				21	2	20	1133
29	.11			19	3	21	1154
30	T			13	1	25	1179
31	.08			13	3	24	1203

OGDENSBURG

FEBRUARY 1977

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.15			18	10	18	1221
2				18	-12	29	1250
3	.08			30	11	11	1261
4				30	10	12	1273
5	.03			26	13	12	1286
6	.04			18	-6	26	1312
7	.01			14	-8	29	1341
8				20	-8	26	1367
9				26	13	12	1379
10	.07			28	5	15	1395
11				43	22	0	1394
12				40	31	-3	1391
13	.03			39	32	-3	1387
14				39	21	2	1389
15				33	12	9	1399
16				18	-4	25	1424
17				20	-5	24	1448
18				30	1	16	1465
19	T			34	23	3	1468
20				33	19	6	1474
21				27	10	13	1488
22				29	5	15	1503
23				30	6	14	1517
24				37	8	9	1525
25	.43			38	33	-3	1523
26				35	30	0	1522
27				55	28	-9	1513
28				45	21	-1	1512

OGDENSBURG

MARCH 1977

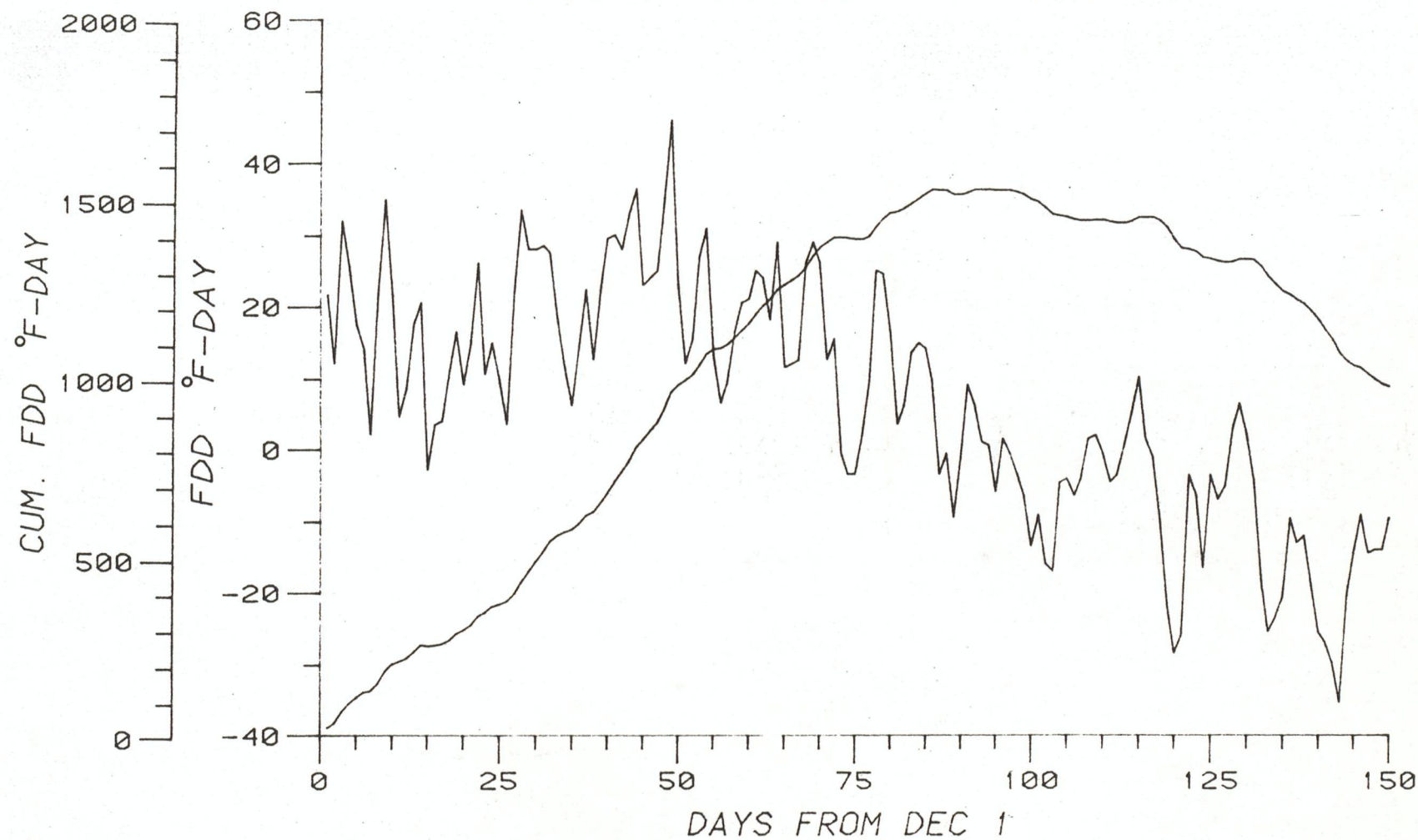
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				32	14	9	1521
2				35	17	6	1527
3				40	22	1	1528
4	.09			36	27	0	1528
5	.44			43	33	-6	1522
6				38	23	1	1524
7				35	30	0	1523
8				41	30	-3	1520
9				56	21	-6	1513
10				55	36	-13	1500
11				54	28	-9	1491
12				66	30	-16	1475
13	.94			66	32	-17	1458
14	.86			41	32	-4	1453
15				40	32	-4	1449
16	.25			48	29	-6	1443
17				47	25	-4	1439
18				38	23	1	1440
19				38	22	2	1442
20				47	18	0	1442
21				45	28	-4	1437
22	.10			44	27	-3	1434
23	.08			36	27	0	1434
24				36	18	5	1439
25				33	11	10	1449
26				41	20	1	1451
27				48	18	-1	1450
28				51	33	-10	1440
29	.60			72	36	-22	1418
30				81	40	-28	1389
31	T			79	37	-26	1363

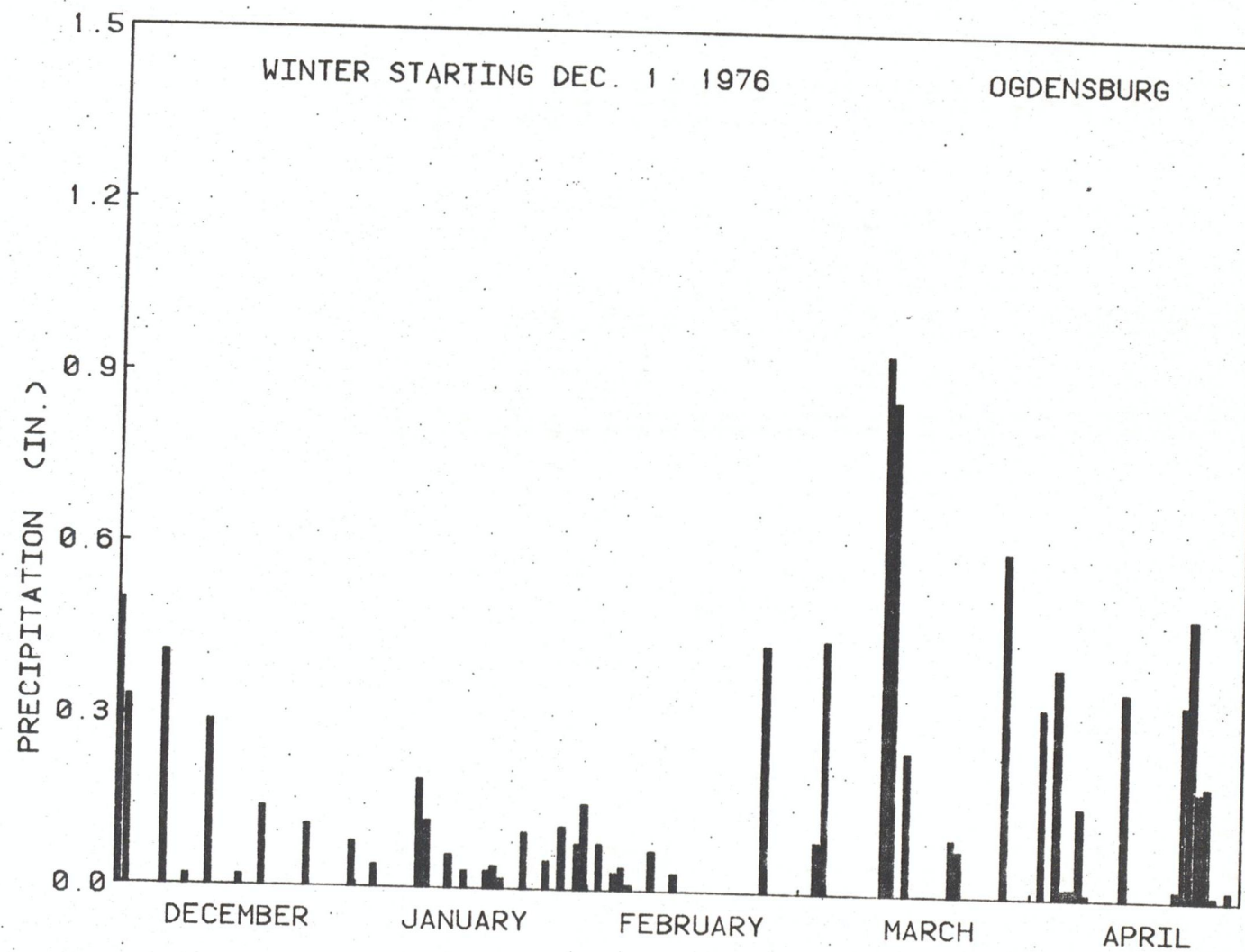
OGDENSBURG

APRIL 1977

DAY	PPT	SNOW		TEMPERATURE			CUM
		SNF	ONGR	MAX	MIN	FDD	
1				47	24	-3	1360
2				48	29	-6	1353
3	.33			56	41	-16	1337
4				45	26	-3	1333
5	.40			48	30	-7	1326
6	.02			48	26	-5	1321
7	.02			39	19	3	1324
8	.16			37	14	6	1331
9	.01			44	16	2	1333
10				53	20	-4	1328
11				70	31	-18	1310
12				63	47	-25	1284
13	T			70	41	-23	1261
14	.36			69	36	-20	1240
15				53	30	-9	1231
16				58	32	-13	1218
17				63	25	-12	1206
18				71	31	-19	1187
19				75	40	-25	1161
20				75	43	-27	1134
21	.02			77	47	-30	1104
22	.34			77	58	-35	1069
23	.49			63	42	-20	1048
24	.19			51	42	-14	1034
25	.20			44	38	-9	1025
26	.01			55	38	-14	1010
27				59	33	-14	996
28	.02			57	35	-14	982
29				55	28	-9	973
30				65	38	-19	953

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DECEMBER 1977

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.12			49	28	-6	-6
2				47	31	-7	-13
3				39	33	-4	-17
4				35	25	2	-15
5				31	13	10	-5
6	.50			23	20	10	5
7	.30			23	18	11	16
8				13	7	19	36
9	1.18			33	9	11	47
10				28	4	16	63
11				10	-9	31	94
12	.22			10	-18	36	130
13	T			12	2	25	155
14	.25			31	9	12	167
15				30	24	5	172
16				35	29	0	172
17				34	17	6	179
18				22	11	15	194
19				32	20	6	200
20				31	22	5	206
21	1.32			33	28	1	207
22	.53			32	26	3	210
23				36	26	1	211
24				37	25	1	212
25				44	28	-4	208
26				32	6	13	221
27				18	2	22	243
28	T			19	-6	25	269
29	.01			22	11	15	284
30	.02			27	9	14	298
31				0	0	32	330

OGDENSBURG

JANUARY 1978

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				26	5	16	347
2	.03			17	8	19	366
3				18	3	21	388
4				23	-12	26	414
5				31	20	6	421
6	T			21	3	20	441
7	T			12	4	24	465
8	.36			40	11	6	471
9	-			41	9	7	478
10	.02			9	-7	31	509
11	T			25	2	18	528
12	.03			17	-1	24	552
13	T			12	-2	27	579
14	-			12	4	24	603
15	-			12	5	23	626
16				14	-7	28	655
17				14	-9	29	684
18	.02			19	7	19	703
19				20	-10	27	730
20	T			14	0	25	755
21	.83			18	6	20	775
22				26	-2	20	795
23	T			27	18	9	805
24				32	18	7	812
25	T			37	29	-1	811
26	.96			41	25	-1	810
27	.04			26	16	11	821
28	.01			21	9	17	838
29	T			13	-3	27	865
30				12	-2	27	892
31				15	-10	29	921

OGDENSBURG

FEBRUARY 1978

DAY	PPT	SNOW		TEMPERATURE			
		SNF	DNCR	MAX	MIN	FDD	CUM
1				17	10	18	940
2				18	-4	25	965
3				9	-19	37	1002
4				10	-25	39	1041
5				8	-23	39	1081
6				12	2	25	1106
7	.03			23	11	15	1121
8				25	11	14	1135
9				25	-12	25	1160
10				22	-12	27	1187
11	T			24	-12	26	1213
12	T			26	15	11	1225
13				25	16	11	1236
14				17	-4	25	1262
15				23	-11	26	1288
16				28	0	18	1306
17	T			33	12	9	1315
18				31	1	16	1331
19				23	-4	22	1354
20				25	-10	24	1378
21	T			25	7	16	1394
22	T			22	2	20	1414
23				29	15	10	1424
24	T			30	18	8	1432
25	.02			29	-2	18	1451
26				28	-3	19	1470
27				28	7	14	1485
28				27	-4	20	1505

OGDENSBURG

MARCH 1978

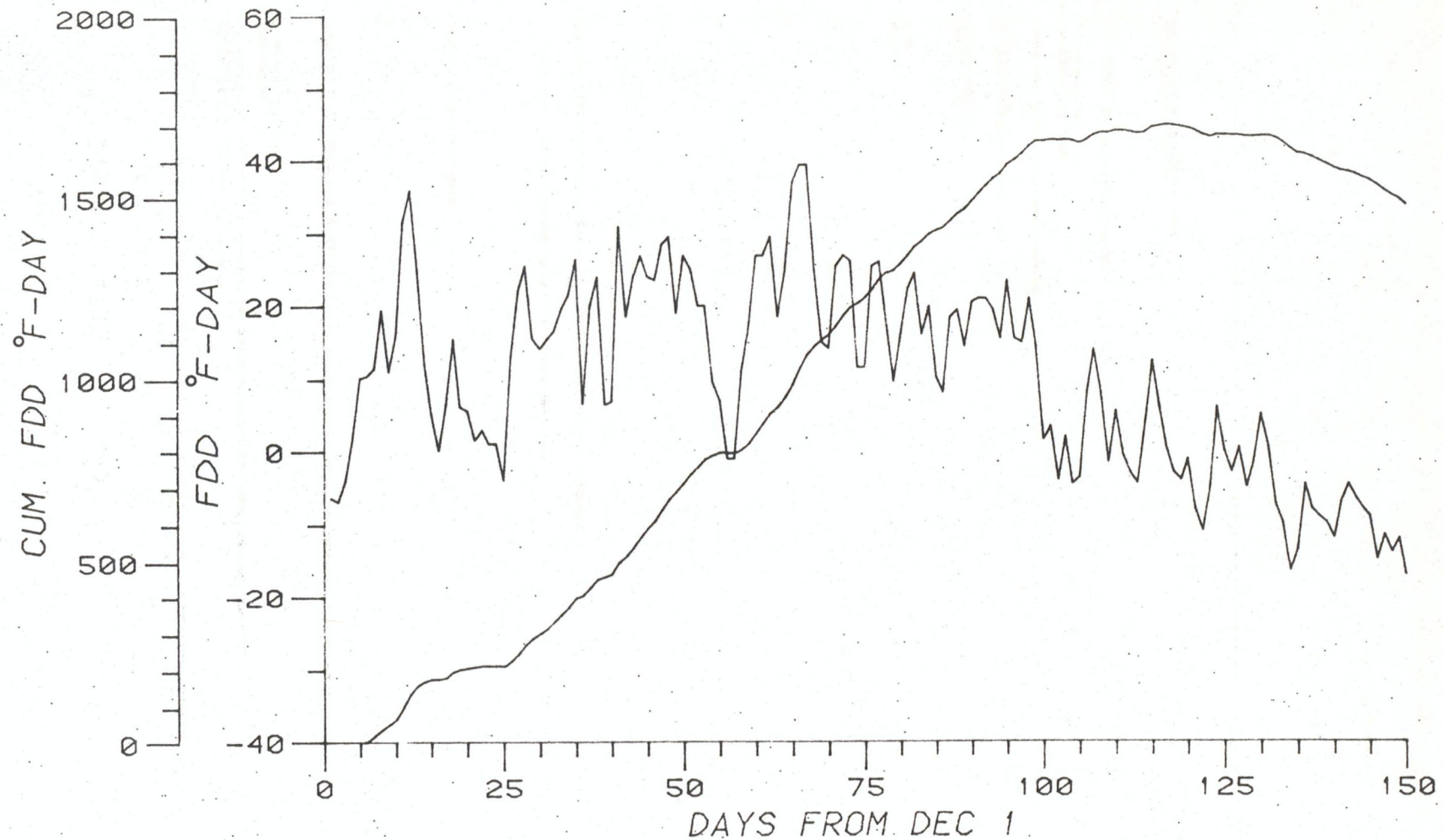
DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				25	-3	21	1526
2				22	0	21	1547
3				23	2	19	1567
4	.02			23	10	15	1582
5				21	-4	23	1606
6				27	6	15	1621
7				28	6	15	1636
8				30	-8	21	1657
9				32	3	14	1672
10				37	24	1	1673
11				37	20	3	1677
12	.07			41	31	-4	1673
13				43	17	2	1675
14	.06			45	28	-4	1670
15				44	27	-3	1667
16				33	15	8	1675
17				24	12	14	1689
18				33	15	8	1697
19				40	27	-1	1695
20				39	14	5	1701
21	.09			41	24	0	1700
22	.24			42	28	-3	1697
23	.21			43	30	-4	1693
24				43	14	3	1696
25				29	10	12	1709
26	.07			30	21	6	1715
27	.41			35	28	0	1716
28	.22			38	32	-3	1713
29	.07			40	32	-4	1709
30				42	24	-1	1708
31				48	32	-8	1700

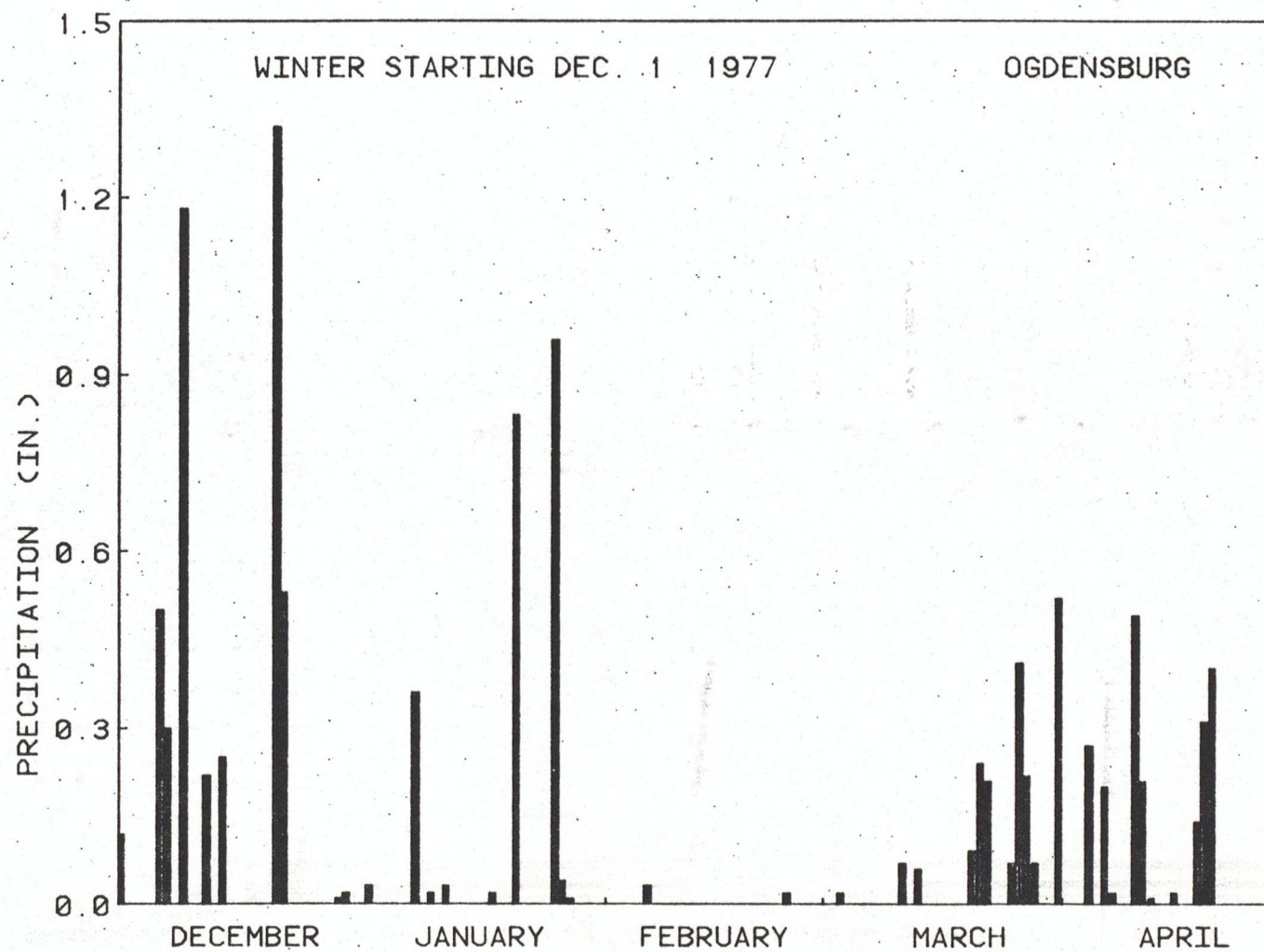
OGDENSBURG

APRIL 1978

DAY	PPT	SNOW		TEMPERATURE			CUM
		SNF	CNGR	MAX	MIN	FDD	
1	.52			54	32	-11	1689
2				51	23	-5	1684
3				33	19	6	1690
4				37	27	0	1690
5	.27			38	32	-3	1687
6				39	24	0	1687
7	.20			42	32	-5	1682
8	.02			43	24	-1	1681
9				34	20	5	1686
10				41	22	0	1686
11	.49			43	36	-7	1679
12	.21			48	36	-10	1669
13	.01			59	38	-16	1652
14	T			59	32	-13	1639
15				42	31	-4	1634
16	.02			52	28	-8	1626
17				53	29	-9	1617
18				57	27	-10	1607
19	.14			54	34	-12	1595
20	.31			43	35	-7	1588
21	.40			41	32	-4	1584
22				49	28	-6	1577
23				51	29	-8	1569
24				54	28	-9	1560
25				55	39	-15	1545
26				59	28	-11	1534
27				53	34	-14	1520
28				58	30	-12	1508
29				60	38	-17	1491
30				58	25	-9	1481

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OGDENSBURG

DECEMBER 1978

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1				32	19	6	6
2				30	23	5	12
3	T			26	6	16	28
4	.25			45	11	4	32
5	.03			37	28	0	31
6	T			40	35	-5	26
7	.16			39	28	-1	24
8	.01			35	27	1	25
9	D.05			32	19	6	32
10	.05			22	4	19	51
11	.05			29	0	17	68
12	.02			31	14	9	78
13				36	29	0	77
14	.25			35	17	6	83
15				34	22	4	87
16	.16			40	31	-3	84
17				38	25	0	84
18				30	3	15	100
19				14	0	25	125
20				15	1	24	149
21	.27			37	-2	14	163
22				30	2	16	179
23				39	29	-1	178
24				37	15	6	184
25	.30			31	22	5	189
26	.16			27	23	7	196
27				27	14	11	208
28				21	4	19	227
29				14	1	24	252
30				21	1	21	273
31	.03			34	17	6	279

OGDENSBURG

JANUARY 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	DNCR	MAX	MIN	FDD	CUM
1	.58			45	27	-4	275
2	.29			40	19	2	278
3	.26			19	8	18	296
4	.33			17	6	20	317
5				17	-1	24	341
6				22	5	18	359
7	T			25	17	11	370
8	.02			23	15	13	383
9	.12			18	3	21	405
10	T			21	-5	24	429
11				9	-19	37	466
12				15	-8	28	494
13	.02			15	5	22	516
14	.46			37	9	9	525
15				34	4	13	538
16	T			20	9	17	556
17	.21			15	-6	27	583
18	.38			3	-5	33	616
19				3	-24	42	659
20				14	-5	27	686
21	.19			23	10	15	702
22	.36			24	20	10	712
23				30	10	12	724
24	T			30	10	12	736
25	.14			32	23	4	740
26	.12			36	32	-2	738
27	T			36	30	-1	737
28	T			35	32	-1	736
29	.41			35	23	3	739
30	T			23	15	13	752
31	.17			20	20	12	764

OGDENSBURG

FEBRUARY 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.21			20	6	19	783
2	.11			12	4	24	807
3				14	-4	27	834
4	T			22	-1	21	855
5	.02			21	9	17	872
6				17	-10	28	901
7				10	-5	29	930
8	.26			15	6	21	952
9				15	-12	30	982
10				1	-28	45	1028
11				-2	-28	47	1075
12				9	-23	39	1114
13				10	-14	34	1148
14				-1	-19	42	1190
15				-1	-15	40	1230
16				3	-5	33	1263
17				3	-21	41	1304
18				4	-31	45	1349
19	T			16	-8	28	1377
20				26	9	14	1392
21				43	15	3	1395
22	.15			40	33	-4	1390
23				47	25	-4	1386
24				43	35	-7	1379
25				37	13	7	1386
26	T			23	14	13	1400
27	.35			30	18	8	1408
28	.07			38	14	6	1414

OGDENSBURG

MARCH 1979

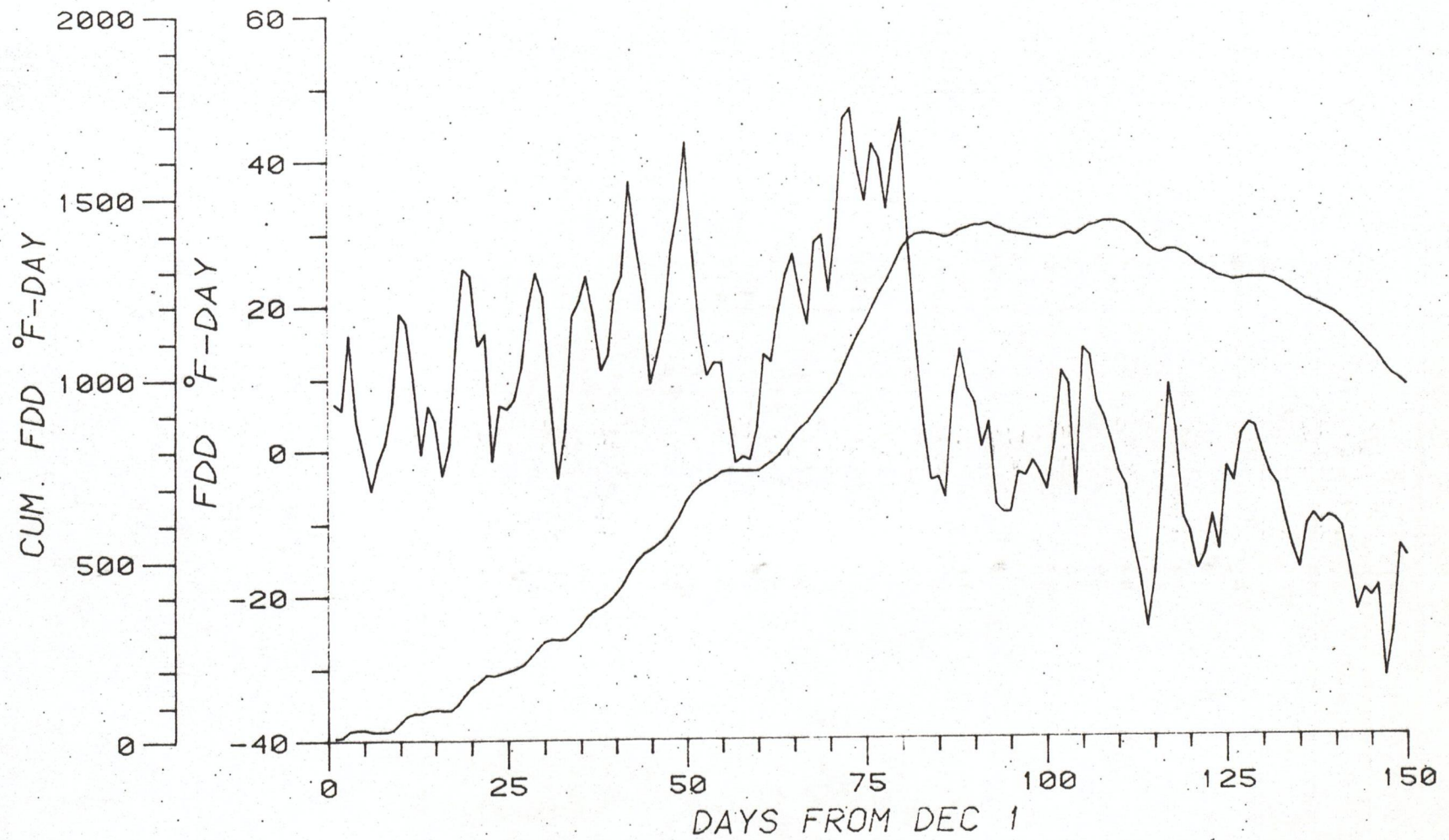
DAY	FPT	SNOW		TEMPERATURE			CUM
		SNF	ONGR	MAX	MIN	FDD	
1				40	24	0	1414
2	.04			32	25	3	1417
3				48	32	-8	1409
4	.02			49	33	-9	1400
5	.12			47	35	-9	1391
6	.25			38	33	-3	1388
7				40	32	-4	1384
8				38	30	-2	1382
9				43	28	-3	1378
10	.08			43	33	-6	1372
11				42	21	0	1373
12				26	17	10	1383
13				40	7	8	1392
14	.21			45	33	-7	1385
15				35	2	13	1398
16				28	11	12	1411
17				38	14	6	1417
18				38	18	4	1421
19				39	24	0	1421
20				48	23	-3	1418
21				48	27	-5	1412
22				63	27	-13	1399
23				70	30	-18	1381
24				69	45	-25	1356
25	.03			61	39	-18	1338
26				46	30	-6	1332
27				35	12	8	1341
28				42	18	2	1343
29	.02			52	32	-10	1333
30	.05			56	32	-12	1321
31	.31			62	36	-17	1304

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APRIL 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1				62	32	-15	1289
2	.41			46	37	-9	1279
3	.60			55	38	-14	1265
4				46	24	-3	1262
5	.42			44	30	-5	1257
6	.27			39	22	1	1258
7	.08			35	23	3	1261
8				38	21	2	1264
9	.02			38	28	-1	1263
10	.29			44	28	-4	1259
11				47	28	-5	1253
12				57	27	-10	1243
13				58	34	-14	1229
14	.71			58	40	-17	1212
15	.02			48	38	-11	1201
16	.33			47	36	-9	1192
17	T			49	37	-11	1181
18				49	35	-10	1171
19				51	34	-10	1160
20				60	27	-11	1149
21				65	33	-17	1132
22	.03			65	45	-23	1109
23				64	40	-20	1089
24				68	38	-21	1058
25				61	42	-19	1048
26	.01			72	56	-32	1016
27	.33			66	50	-26	990
28	.67			53	39	-14	976
29	.03			55	40	-15	961
30				57	33	-13	948

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DECEMBER 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CJM
1	.01			33	24	3	3
2	T			30	17	8	12
3				37	16	5	17
4	T			40	26	-1	16
5	T			45	19	0	16
6				50	42	-14	2
7	.08			45	33	-7	-5
8	.03			41	22	0	-4
9	T			31	16	8	4
10	.07			33	12	9	13
11				55	17	-4	9
12	.22			56	31	-11	-2
13				35	15	7	5
14				29	14	10	15
15				33	13	9	24
16				42	24	-1	23
17	.06			42	-4	13	36
18				10	-1	27	64
19				3	-6	31	95
20				15	-2	25	120
21				35	6	11	132
22	T			39	19	3	135
23	.16			41	34	-5	129
24	.17			44	37	-8	121
25	.24			38	35	-4	116
26	.21			37	29	-1	115
27				32	20	6	121
28				35	19	5	126
29				34	26	2	128
30				33	28	-1	127
31				35	15	7	134

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JANUARY 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1				33	22	4	139
2				32	22	5	144
3				26	8	15	159
4				19	4	20	179
5				21	8	17	197
6				21	6	18	215
7	.02			35	4	12	228
8				32	18	7	235
9	T			29	15	10	245
10	.12			24	4	18	263
11	.14			47	19	-1	262
12	.62			51	11	1	263
13				29	13	11	274
14	.04			39	26	0	273
15				39	26	0	273
16				35	13	8	281
17				34	19	5	286
18	.02			41	31	-4	282
19				39	34	-4	278
20	T			36	22	3	281
21				27	14	11	292
22	.02			30	6	14	306
23	.38			34	24	3	309
24				36	-8	18	327
25				20	-6	25	352
26				20	-1	22	375
27				27	10	13	388
28				27	10	13	402
29	.03			27	16	10	412
30				24	-3	21	434
31				12	-4	28	462

OGDENSBURG

FEBRUARY 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T			9	0	27	489
2				12	-3	27	517
3	T			12	3	24	541
4				15	1	24	565
5				16	4	22	587
6				23	-3	22	609
7				24	9	15	625
8				27	4	16	641
9				29	-1	18	659
10				29	-1	18	677
11				31	6	13	691
12	.02			28	16	10	701
13				30	8	13	714
14	.37			31	21	6	720
15	.23			30	6	14	734
16	.29			22	12	15	749
17				19	2	21	770
18	T			23	9	16	785
19	T			35	13	8	794
20	T			46	30	-6	788
21				44	28	-4	784
22				33	9	11	795
23	.02			33	13	9	804
24	.27			39	21	2	806
25	.05			31	22	5	812
26				28	-4	20	832
27	.02			25	-1	20	852
28	.03			26	-1	19	871
29				14	-12	31	902

OGDENSBURG

MARCH 1980

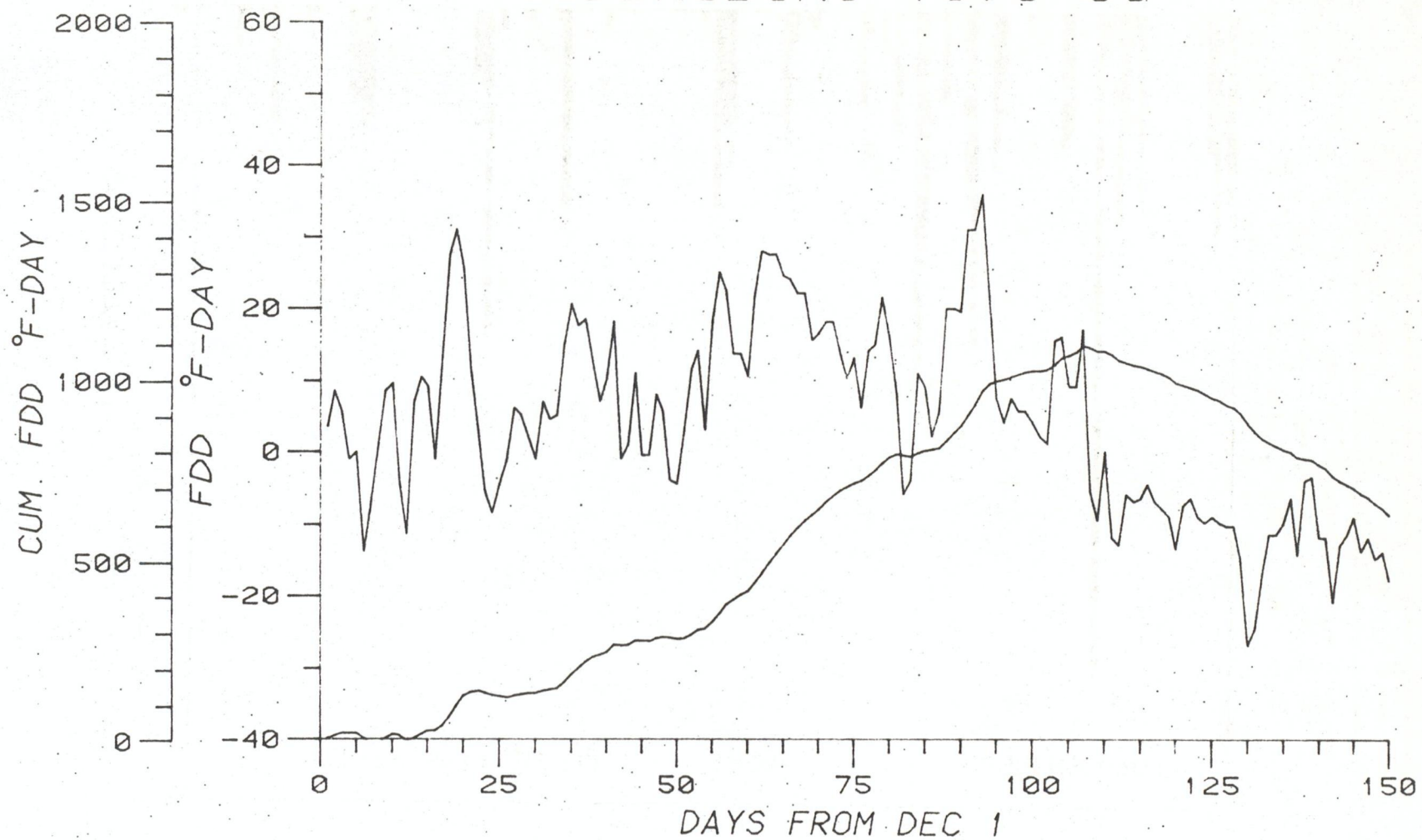
DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1				9	-7	31	933
2				14	-22	36	969
3				28	-7	21	991
4				34	15	7	998
5				36	20	4	1002
6	.18			35	14	7	1010
7	.05			34	19	5	1015
8	T			34	19	5	1021
9	.06			38	18	4	1025
10				41	19	2	1027
11	.23			42	20	1	1028
12				28	5	15	1043
13				26	6	16	1059
14	.68			26	20	9	1068
15	X.48			28	18	9	1077
16				28	2	17	1094
17				58	17	-5	1089
18	.18			52	31	-9	1079
19				40	24	0	1079
20				58	30	-12	1067
21	.36			55	34	-13	1054
22	.63			44	32	-6	1048
23				49	29	-7	1041
24				49	28	-6	1035
25	.30			41	32	-4	1030
26	.17			46	32	-7	1023
27				47	33	-8	1015
28				54	28	-9	1006
29	T			57	34	-13	993
30	.02			46	33	-7	985
31				47	30	-6	979

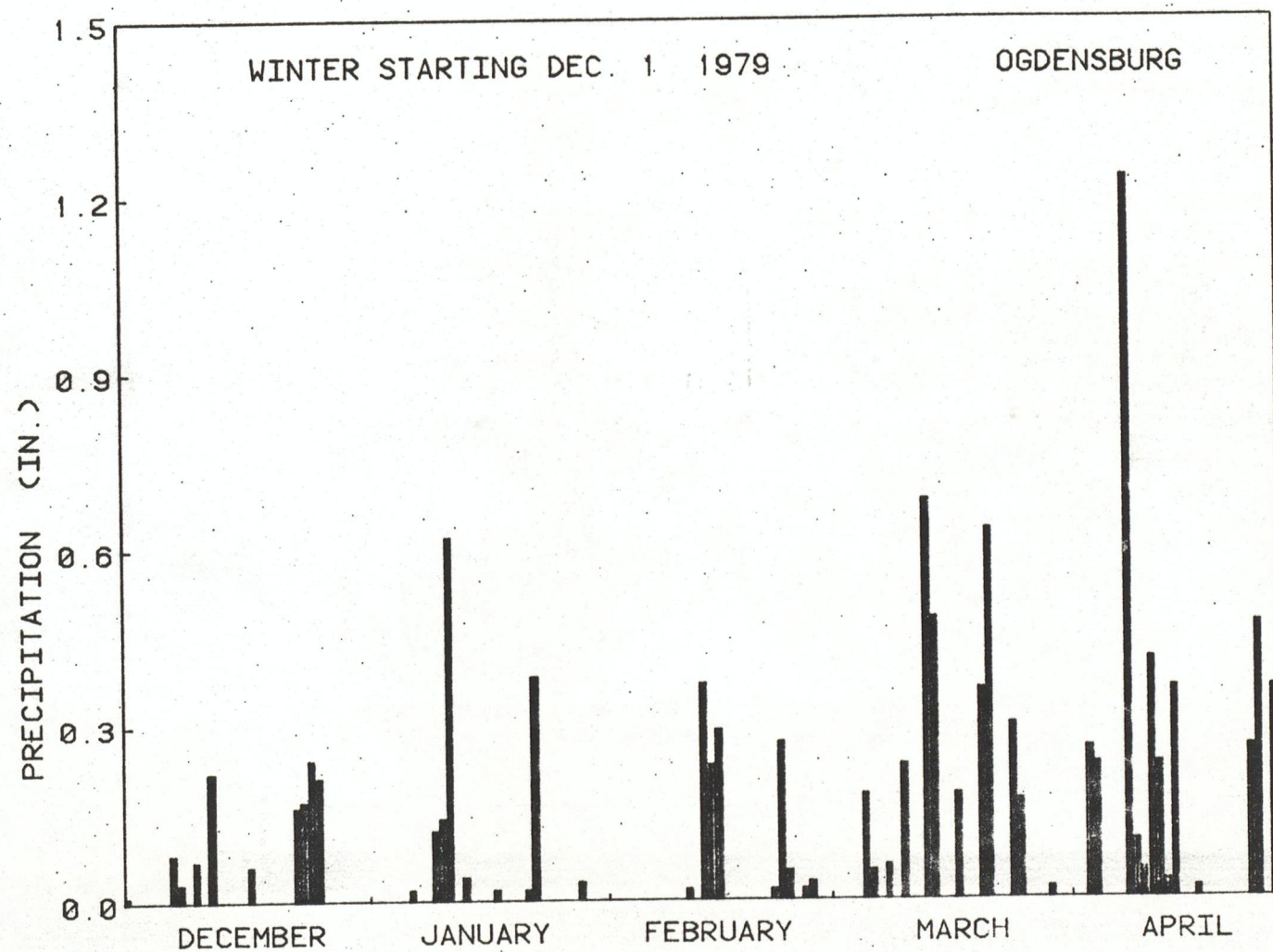
OGDENSBURG

APRIL 1980

DAY	FPT	SNOW		TEMPERATURE			CUM
		SNF	ONGR	MAX	MIN	FDD	
1				54	28	-9	970
2	T			55	29	-10	960
3				56	26	-9	951
4	.26			50	34	-10	941
5	.23	T		53	32	-10	930
6				56	29	-10	920
7				68	26	-15	905
8				70	48	-27	878
9	1.23			68	45	-24	853
10	.10			55	43	-17	836
11	.05			49	38	-11	825
12	.41			43	39	-11	813
13	.23			48	36	-10	803
14	.03			47	30	-6	797
15	.36			53	40	-14	782
16	T	T		48	24	-4	778
17		T		47	24	-3	775
18	.02	T		54	34	-12	763
19				61	27	-12	751
20				64	42	-21	730
21				53	37	-13	717
22				53	34	-11	705
23				51	31	-9	696
24				51	41	-14	682
25	.26			47	41	-12	670
26	.47			58	36	-15	655
27				58	34	-14	641
28	.36			56	44	-18	623
29	.82			51	45	-16	607
30				59	45	-20	587

OGDENSBURG 1979-80





OGDENSBURG

DECEMBER 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				47	33	-8	-8
2	.11			46	30	-6	-14
3	.52			46	10	4	-10
4				19	2	21	11
5				26	4	17	28
6				25	0	19	48
7				32	9	11	59
8				50	29	-7	52
9	.48			49	25	-5	47
10	.14			35	13	8	55
11	.08			34	-2	16	71
12	.02			23	-1	21	92
13	.04			34	16	7	99
14	.14			25	-9	24	123
15	.02			11	-3	28	151
16	T			9	0	27	178
17	.08			10	-10	32	210
18	.07			33	-3	17	227
19				28	6	15	242
20	.07			7	-20	38	281
21				14	-5	27	308
22				23	-12	26	335
23	T			29	12	11	346
24	.08			31	-9	21	367
25	.38			9	-26	40	408
26	.40			18	-21	33	441
27	.28			17	2	22	464
28	T			34	-10	20	484
29				36	30	-1	483
30	T			32	2	15	498
31				10	-11	32	530

OGDENSBURG

JANUARY 1981

DAY	PPT	SNOW		TEMPERATURE			CUM
		SNF	ONGR	MAX	MIN	FDD	
1				9	-15	35	565
2	.46			11	4	24	590
3				6	-28	43	633
4				-13	-31	54	687
5				12	-21	36	723
6	.02			22	-5	23	747
7	.38			27	13	12	759
8				16	-11	29	788
9	T			18	-13	29	818
10	T			19	-2	23	841
11				0	-20	42	883
12				2	-19	40	924
13				3	-20	40	964
14				11	-16	34	999
15				12	-12	32	1031
16	.14			12	-2	27	1058
17	.09			13	0	25	1083
18				25	1	19	1102
19				32	20	6	1108
20				33	8	11	1120
21				22	-17	29	1149
22	T			30	14	10	1159
23				29	21	7	1166
24				27	18	9	1176
25				32	-5	18	1194
26				47	25	-4	1190
27				45	28	-4	1186
28				30	7	13	1199
29				22	4	19	1218
30				20	0	22	1240
31				25	-3	21	1251

OGDENSBURG

FEBRUARY 1981

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T			36	1	13	1275
2	.15			39	27	-1	1274
3				32	-3	17	1291
4				15	7	21	1312
5				14	-9	29	1342
6				24	7	16	1358
7				31	19	7	1365
8				38	26	0	1365
9	.16			37	14	6	1372
10	.13			35	14	7	1379
11	.42			55	35	-13	1366
12	.15			46	2	8	1374
13				22	0	21	1395
14				34	10	10	1405
15				43	16	2	1408
16				53	32	-10	1397
17				49	38	-11	1386
18				54	39	-14	1371
19	.18			54	38	-14	1357
20				48	35	-9	1348
21	.05			45	36	-9	1339
22				54	35	-12	1326
23	.03			60	36	-16	1310
24	.44			53	38	-13	1297
25	.08			45	33	-7	1290
26	.05			37	33	-3	1287
27				39	23	1	1288
28	.11			40	21	1	1289

OGDENSBURG

MARCH 1981

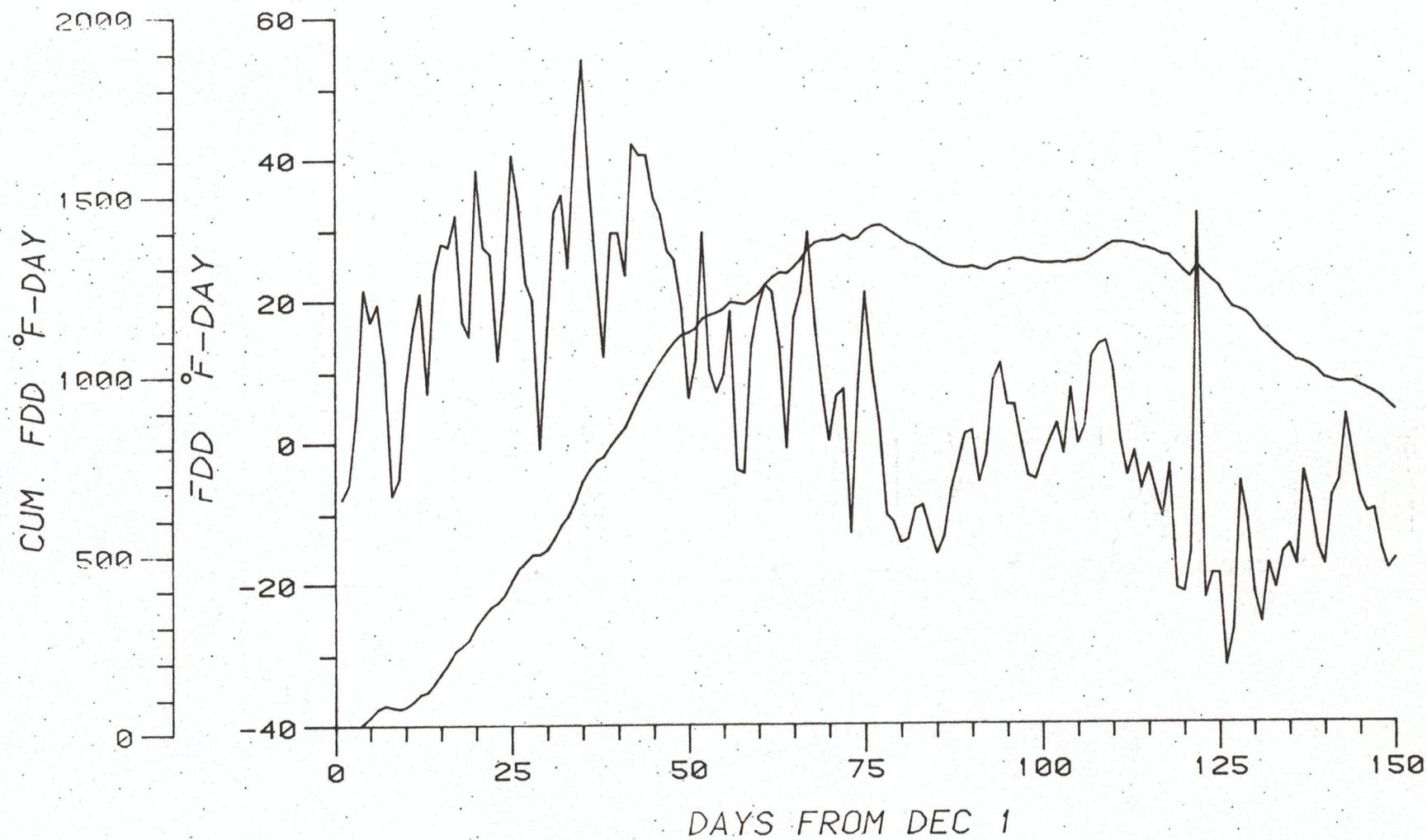
DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1	.11			43	33	-6	1283
2	.07			39	29	-2	1281
3	.04			37	10	8	1290
4				30	12	11	1301
5				34	20	5	1306
6				34	20	5	1311
7	.20			38	27	0	1310
8				43	31	-5	1305
9	.02			43	32	-5	1300
10	.04			42	27	-2	1297
11	.25			37	27	0	1297
12	.04			36	23	2	1300
13	.05			39	29	-2	1298
14	.07			38	11	7	1305
15				45	20	0	1305
16	.05			45	15	2	1307
17	T			32	8	12	1319
18	.33			30	7	13	1332
19				27	9	14	1346
20	.07			34	10	10	1356
21	.04			38	26	0	1356
22	.02			47	27	-5	1351
23				47	20	-1	1350
24				48	30	-7	1343
25				46	25	-3	1339
26	.11			54	25	-7	1332
27	.11			54	32	-11	1321
28				51	20	-3	1317
29				64	42	-21	1296
30	.20			64	43	-21	1275
31				55	40	-16	1259

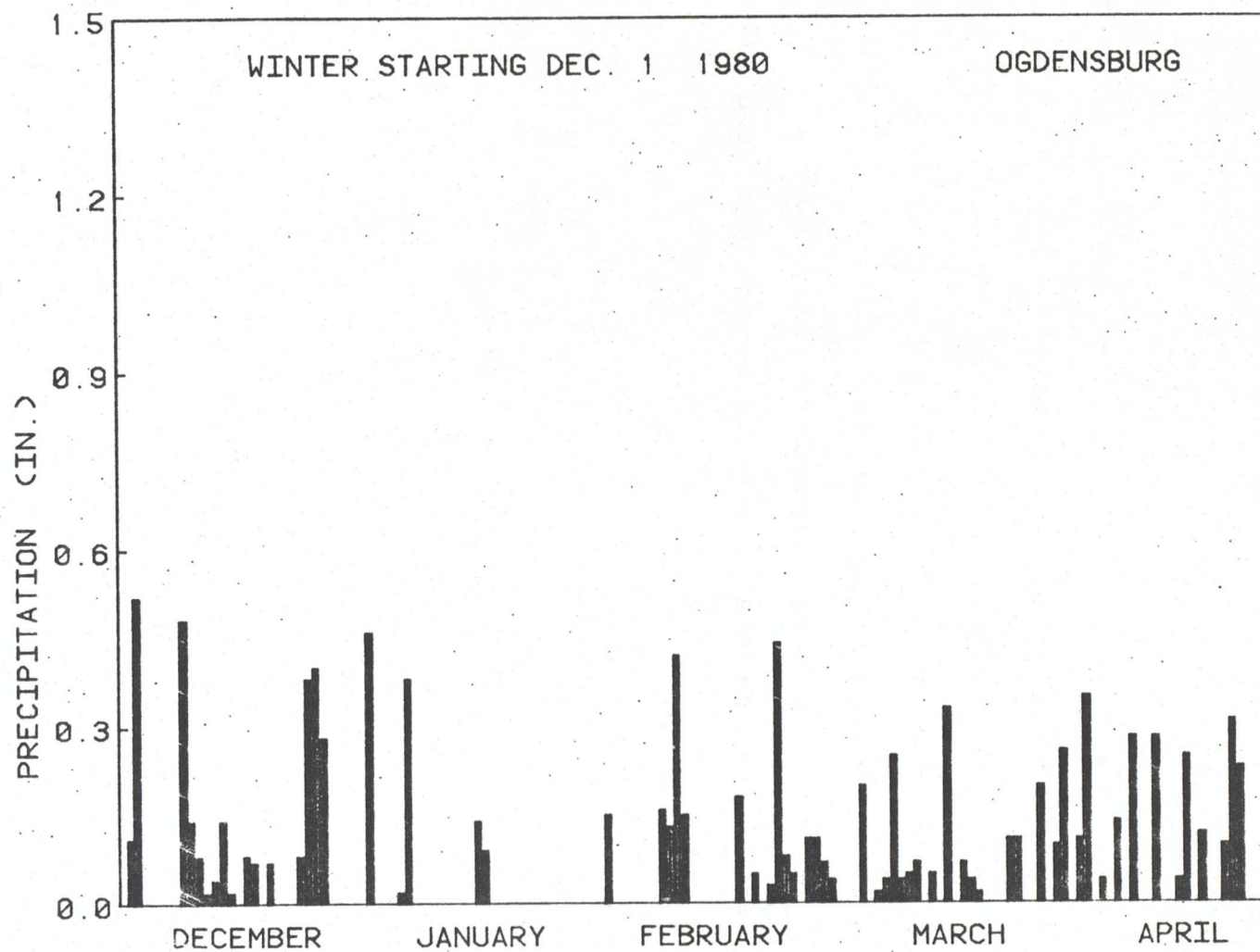
OGDENSBURG

APRIL 1981

DAY	PPT	SNOW		TEMPERATURE			CUM
		SNF	DNCR	MAX	MIN	FDD	
1	.10			75	34	-22	1236
2	.26			63	39	-19	1217
3				71	31	-19	1198
4	.11			77	51	-32	1166
5	.35			73	45	-27	1139
6	T			43	28	-6	1133
7	.04			56	31	-11	1122
8				71	36	-21	1100
9	.14			70	46	-26	1074
10	T			63	36	-17	1057
11	.28			62	44	-21	1036
12				64	32	-16	1020
13				64	30	-15	1005
14	.28			57	43	-18	987
15				53	20	-4	982
16				56	26	-9	973
17	.04			56	39	-15	958
18	.25			57	43	-18	940
19	T			51	29	-8	932
20	.12			49	27	-6	926
21				38	19	3	929
22				48	21	-2	927
23	.10			49	31	-8	919
24	.31			48	37	-10	908
25	.23			47	37	-10	898
26				57	38	-15	883
27				63	38	-18	864
28				63	35	-17	847
29	.40			61	43	-20	827
30				61	40	-18	809

OGDENSBURG 1980-81





CHAPTER IV
WEATHER DATA AT MASSENA

Notations:

PPT = Precipitation, Inches
SNF = Snowfall, Inches
ONGR = Snow on Ground, Inches
TEMP = Air Temperature, Deg. F.
FDD = Freezing Degree-Days, Deg. F-Day
CUM = Cumulative Freezing-Degree Days, Deg. F-Day

MASSENA

DECEMBER 1971

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONCR	MAX	MIN	FDD	CUM
1	T	T	5	21	0	21	21
2	T	T	5	24	-9	24	45
3	.01	0.1	5	37	21	3	49
4			3	23	-8	24	73
5			3	12	-10	31	104
6	.41	3.2	3	32	9	11	116
7	.08		4	33	27	2	118
8	.02		4	28	25	5	123
9	.49	T	4	36	26	1	124
10	.21		2	41	32	=4	120
11	.07		T	53	36	=12	107
12				46	33	=7	100
13	T	T		35	27	1	101
14	T	T		27	15	11	112
15	.51	T	T	48	21	=2	109
16				48	28	=6	103
17	.01	0.1		28	17	9	113
18	.10	1.0	1	20	=8	26	139
19	.08	0.8	1	14	=15	32	171
20	.20	2.0	3	29	14	10	182
21	.03	0.3	4	38	23	1	183
22			4	23	=10	25	209
23			5	18	=10	28	237
24	.18	0.3	2	41	17	3	240
25	T	T	1	21	2	20	260
26	.03	0.3	1	33	1	15	275
27	.23	1.5	1	10	2	26	301
28	.06	0.2	2	23	5	18	319
29	T	T	2	35	4	12	332
30	.01	0.1	1	16	=1	24	356
31	T	T	9	8	=15	35	392

MASSENA

JANUARY 1972

DAY	PPT	SNOW		TEMPERATURE			
		SNF	DNCR	MAX	MIN	FDD	CUM
1	T	T	9	37	-19	23	415
2	.37	3.6	9	37	19	4	419
3			12	36	23	2	421
4	.26	2.3	10	23	11	15	436
5	.08	0.8	13	12	-25	38	475
6	T	T	13	24	-25	32	507
7	.06	0.6	12	30	13	10	518
8			13	13	-10	30	548
9	T	T	13	40	1	11	560
10			7	42	15	3	563
11			3	43	15	3	566
12			2	35	23	3	569
13	.20	1.0	1	58	24	-9	560
14			1	24	-1	20	581
15	.07	0.7	2	19	-1	23	604
16			2	-1	-13	39	643
17	.24	2.4	4	29	-8	21	664
18			5	45	18	0	665
19	.09	T		47	26	-4	660
20	.26	2.6		26	13	12	673
21	.06	0.6	4	13	-4	27	700
22	.11		4	42	-3	12	713
23	T		T	45	30	-5	707
24	.01	0.1	T	30	22	6	713
25	.12	0.3		47	4	6	720
26			T	10	0	27	747
27	T	T		19	2	21	768
28	.26	2.6	T	24	14	13	781
29	.01	0.1	3	23	6	17	799
30	T	T	3	24	11	14	813
31			3	21	2	20	834

MASSENA

FEEBURY 1972

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T	T	3	23	6	17	851
2			2	12	5	23	875
3	.55	5.5	2	34	8	11	886
4	.90	9.0	14	29	11	12	898
5			16	11	4	24	922
6	T	T	16	16	-5	26	949
7			15	7	-5	31	980
8			14	7	-15	36	1016
9			13	17	-6	26	1042
10			11	14	-11	30	1073
11			10	21	-8	25	1098
12	.04	0.4	10	37	8	9	1108
13	.32	T	9	36	18	5	1113
14	.12	T	8	39	33	-4	1109
15	.07	0.4	6	46	30	-6	1103
16	.02	0.2	5	30	-4	19	1122
17			5	15	-7	28	1150
18			5	26	6	16	1166
19	.79	7.9	5	26	13	12	1178
20	.18	1.8	15	19	-5	25	1203
21	.15	1.0	15	9	-9	32	1235
22	.17	1.7	18	7	-19	38	1273
23	.08	8.0	18	4	-37	48	1322
24	.17	1.7	20	16	-8	28	1350
25			20	17	-21	34	1384
26	.13	1.3	20	21	10	16	1400
27			21	31	11	11	1411
28	.06	0.6	20	35	20	4	1416
29	.04	0.4	17	32	19	6	1422

MASSENA

MARCH 1972

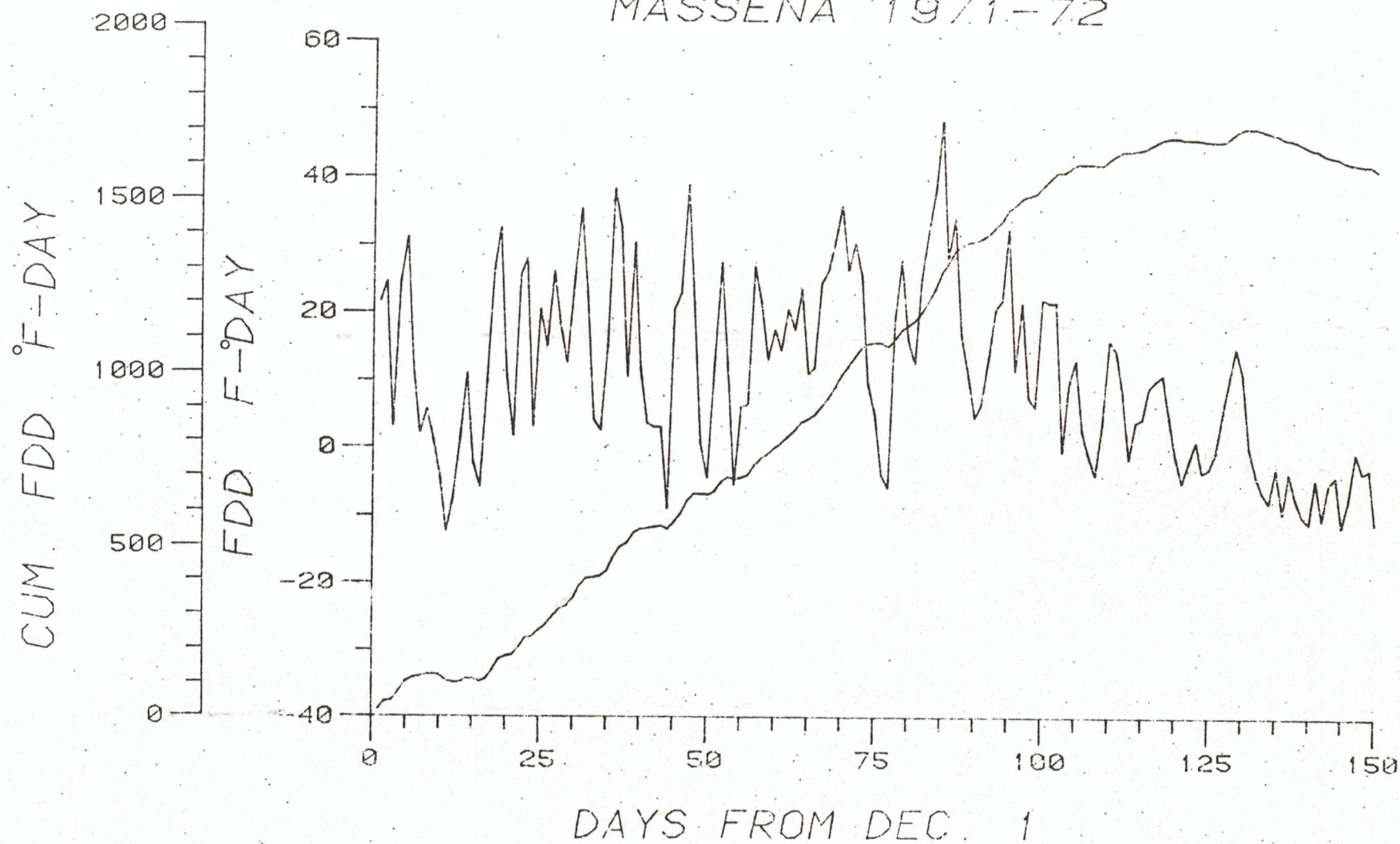
DAY	FPT	SNCW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.32	1.9	15	30	8	13	1435
2	.81	3.4	18	16	7	20	1456
3			19	18	2	22	1478
4	T	T	19	11	-12	32	1510
5	.17	1.7	19	31	10	11	1522
6	T	T	19	18	3	21	1543
7	.30	2.4	18	48	1	7	1551
8	.04	0.3	14	4	11	24	1575
9			14	17	3	22	1597
10			14	20	1	21	1619
11			13	26	-5	21	1640
12			12	39	26	0	1640
13			10	28	17	9	1649
14	.12	1.2	10	27	11	13	1662
15	T	T	11	33	26	2	1665
16	.10	T	11	37	29	-1	1664
17	.10		7	38	34	-4	1660
18	.08	1.6	4	36	21	3	1663
19			5	23	9	16	1679
20	T	T	5	31	4	14	1694
21	T	T	5	32	15	8	1702
22	.66	1.3	5	37	30	-1	1701
23	.36	3.6	7	32	24	4	1705
24	.06	0.4	9	31	24	4	1709
25	T	T	9	27	19	9	1718
26	T	T	9	28	16	10	1728
27	.05	0.5	9	28	14	11	1739
28			8	37	18	4	1744
29			7	42	24	-1	1743
30	.13		4	41	33	-5	1738
31			3	43	25	-2	1736

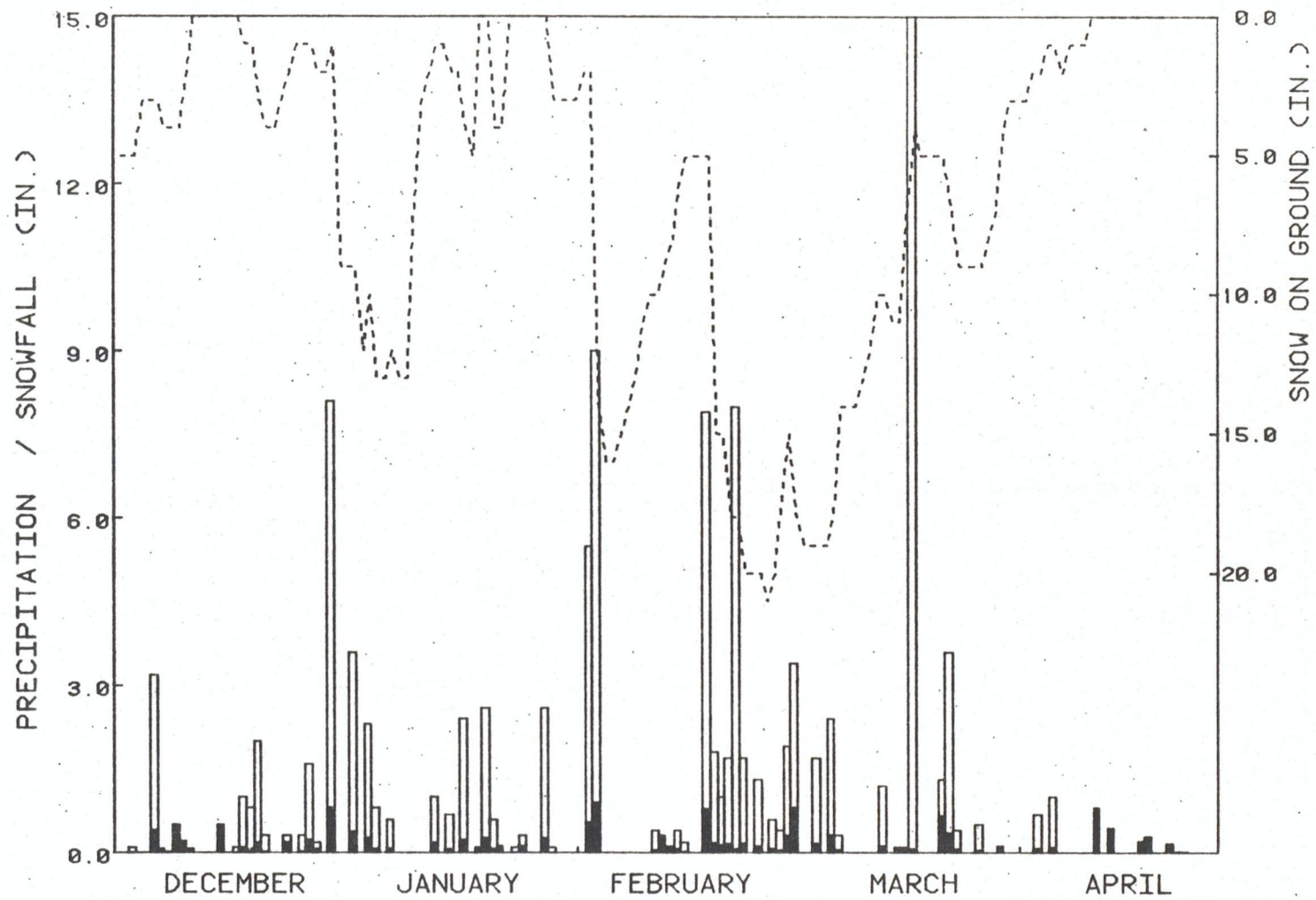
MASSENA

APRIL 1972

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1			3	44	18	1	1737
2	T	T	3	41	30	-3	1733
3	T	T	2	42	28	-3	1730
4	.08	0.7	2	37	28	0	1730
5	T	T	1	34	20	5	1735
6	.10	1.0	1	28	15	10	1745
7			2	26	8	15	1760
8			1	33	9	11	1771
9			1	39	25	0	1771
10			1	45	27	-4	1767
11	T	T	T	45	32	-6	1761
12	.82		T	50	30	-8	1753
13	T	T	T	38	32	-3	1750
14	.46	T	T	51	32	-9	1740
15			T	38	33	-3	1737
16			T	44	35	-7	1729
17			T	51	33	-10	1719
18	.22		T	50	36	-11	1708
19	.28		T	38	35	-4	1704
20			T	51	34	-10	1693
21				49	25	-5	1688
22	.17			51	21	-4	1684
23	.03			51	36	-11	1673
24	.02			47	32	-7	1665
25				42	23	0	1665
26				49	22	-3	1661
27				49	21	-3	1658
28				58	28	-11	1647
29				60	28	-12	1635
30				71	36	-21	1614

MASSENA 1971-72





WINTER STARTING DEC. 1 1971

MASSENA

MASSENA

DECEMBER 1972

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1	.18	1.8	2	36	13	7	7
2	.21	2.1	3	23	0	20	28
3	.39	3.9	9	23	15	13	41
4	T	T	7	15	-6	27	68
5	.21	1.9	9	22	9	16	85
6	.50		7	54	22	-6	79
7			T	28	7	14	93
8	.28	2.8	T	25	7	16	109
9	.05	T	3	30	18	8	117
10	.15	1.5	3	29	19	8	125
11			5	19	-2	23	149
12	.86	8.4	5	29	-4	19	168
13	.36		10	45	14	2	171
14	T	T	8	31	11	11	182
15	.49	4.9	8	20	10	17	199
16	.76	7.6	16	19	10	17	216
17			19	11	0	26	243
18	.04	0.4	19	30	10	12	255
19	.12	1.2	19	21	10	16	271
20	T	T	20	17	7	20	291
21	.09	0.8	20	22	8	17	308
22	.28	1.2	20	31	22	5	314
23			19	34	30	0	314
24	T		16	38	30	-2	312
25	T	T	12	38	19	3	315
26	.43	3.5	12	30	20	7	322
27	.14	1.4	16	30	16	9	331
28	.17	1.7	18	25	9	15	346
29	T	T	18	14	-12	31	377
30	.62	6.2	19	16	9	19	397
31	.35	T	24	40	15	4	401

MASSENA

JANUARY 1973

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.04	0.4	13	45	31	-6	395
2	T	T	11	31	18	7	403
3	T	T	11	39	16	4	407
4	.16	1.0	12	42	18	2	409
5	.20	3.2	7	38	13	6	416
6			10	13	-8	29	445
7			10	0	-11	37	483
8			10	-2	-29	47	530
9			10	20	-31	37	568
10	.03	0.3	10	25	16	11	579
11	.07	0.7	10	25	5	17	596
12	.05	0.5	10	14	-22	36	632
13			11	16	-22	35	667
14	.06	0.6	11	34	13	8	676
15	.01	0.1	11	36	27	0	676
16	T		10	40	29	-2	674
17			7	47	39	-11	663
18			4	52	36	-12	651
19	.09		2	58	29	-11	639
20	.42	3.5	1	40	12	6	645
21			4	26	1	18	664
22	.64		4	38	3	11	675
23	.05	T	2	44	37	-8	667
24	.02	0.2	1	37	15	6	673
25			1	37	12	7	680
26			1	40	24	0	680
27			1	38	23	1	682
28	.20	2.0	1	29	23	6	688
29	.19	2.0	5	25	1	19	707
30	.10	1.0	5	24	-4	22	729
31			6	5	-20	39	768

MASSENA

FEBRUARY 1973

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.02	0.2	6	12	-14	33	801
2	.78		6	45	12	3	805
3	.31	0.3	3	44	25	-2	802
4	.04	0.4	3	38	26	0	802
5	T	T	3	34	5	12	815
6	T	T	3	20	4	20	835
7	.07	0.7	4	40	18	3	838
8	.33	2.5	2	37	9	9	847
9			4	11	-3	28	875
10	T	T	4	16	-4	26	901
11			4	4	-16	38	939
12			4	18	-17	31	970
13			4	29	-2	18	989
14	T	T	4	39	6	9	998
15	.78	7.8	10	32	15	8	1007
16	.02	0.2	12	15	-4	26	1033
17			12	4	-29	44	1078
18			12	27	-17	27	1105
19	.06	0.6	12	36	21	3	1108
20	.02	0.1	10	40	33	-4	1104
21	.01	0.1	7	35	20	4	1108
22	.04	0.4	7	29	13	11	1119
23			7	28	6	15	1134
24			7	24	4	18	1152
25			7	16	-2	25	1177
26			7	17	-10	28	1206
27			7	4	-10	35	1241
28			7	27	-10	23	1264

MASSENA

MARCH 1973

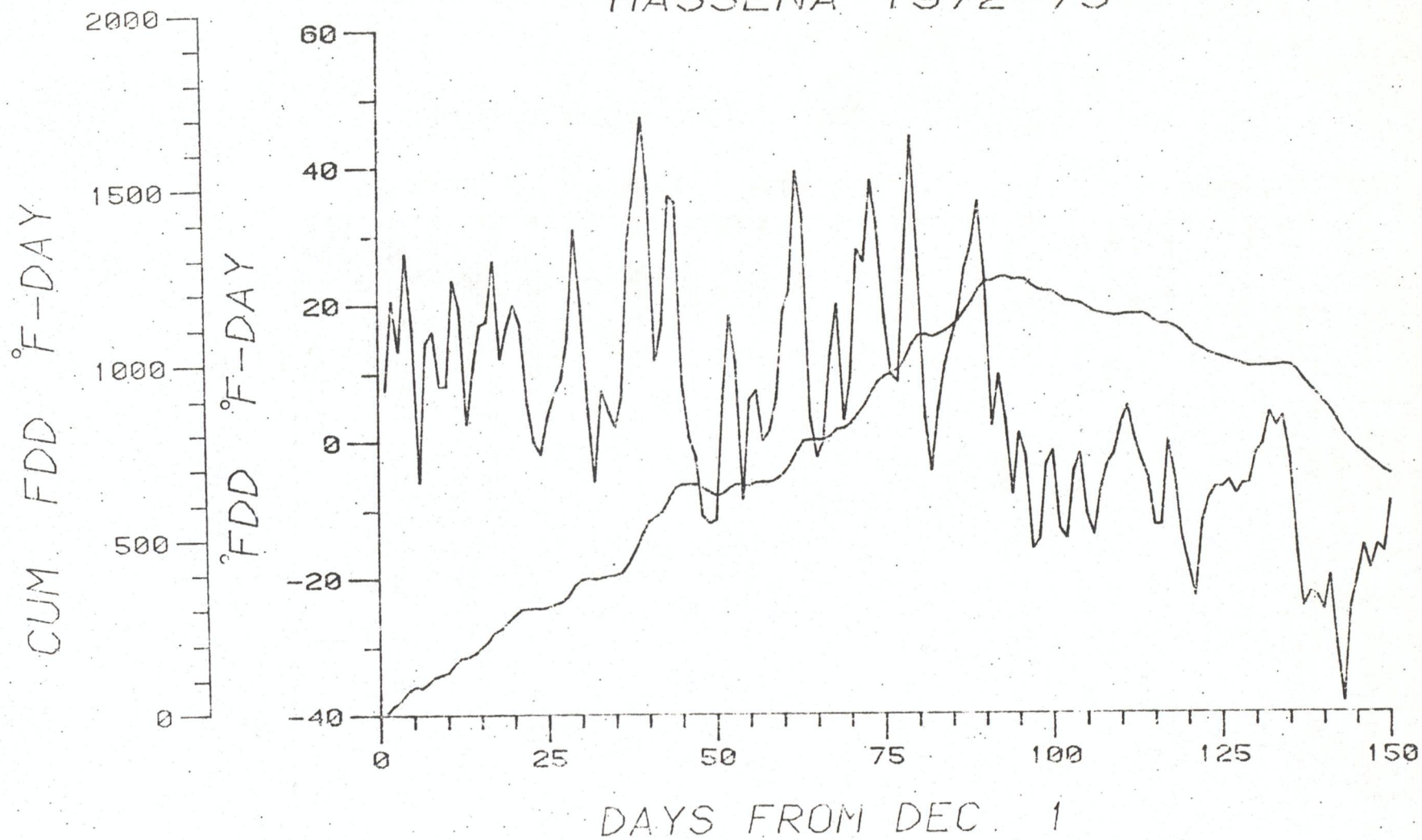
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.68	2.0	7	38	22	2	1266
2	.02	0.1	7	25	20	9	1276
3	.06		7	36	22	3	1279
4	.19		5	46	34	-8	1271
5			3	37	25	1	1272
6	.05		3	38	31	-2	1269
7	.02		2	60	36	-16	1253
8	T		T	56	37	-14	1239
9			T	40	31	-3	1235
10	.05		T	36	31	-1	1234
11	.11		T	54	36	-13	1221
12	.18		T	54	39	-14	1206
13			T	43	30	-4	1202
14			T	40	28	-2	1200
15	.22			50	36	-11	1189
16				53	39	-14	1175
17	1.42			44	35	-7	1167
18	.08	0.8		39	32	-3	1164
19	T	T	T	37	31	-2	1162
20	.03	0.3	T	32	27	2	1164
21			T	37	17	5	1169
22				36	27	0	1170
23				49	21	-3	1167
24				53	22	-5	1161
25				55	34	-12	1149
26				55	34	-12	1136
27				42	22	0	1136
28				58	17	-5	1131
29	T			61	32	-14	1116
30	T			60	41	-18	1098
31	T			67	43	-23	1075

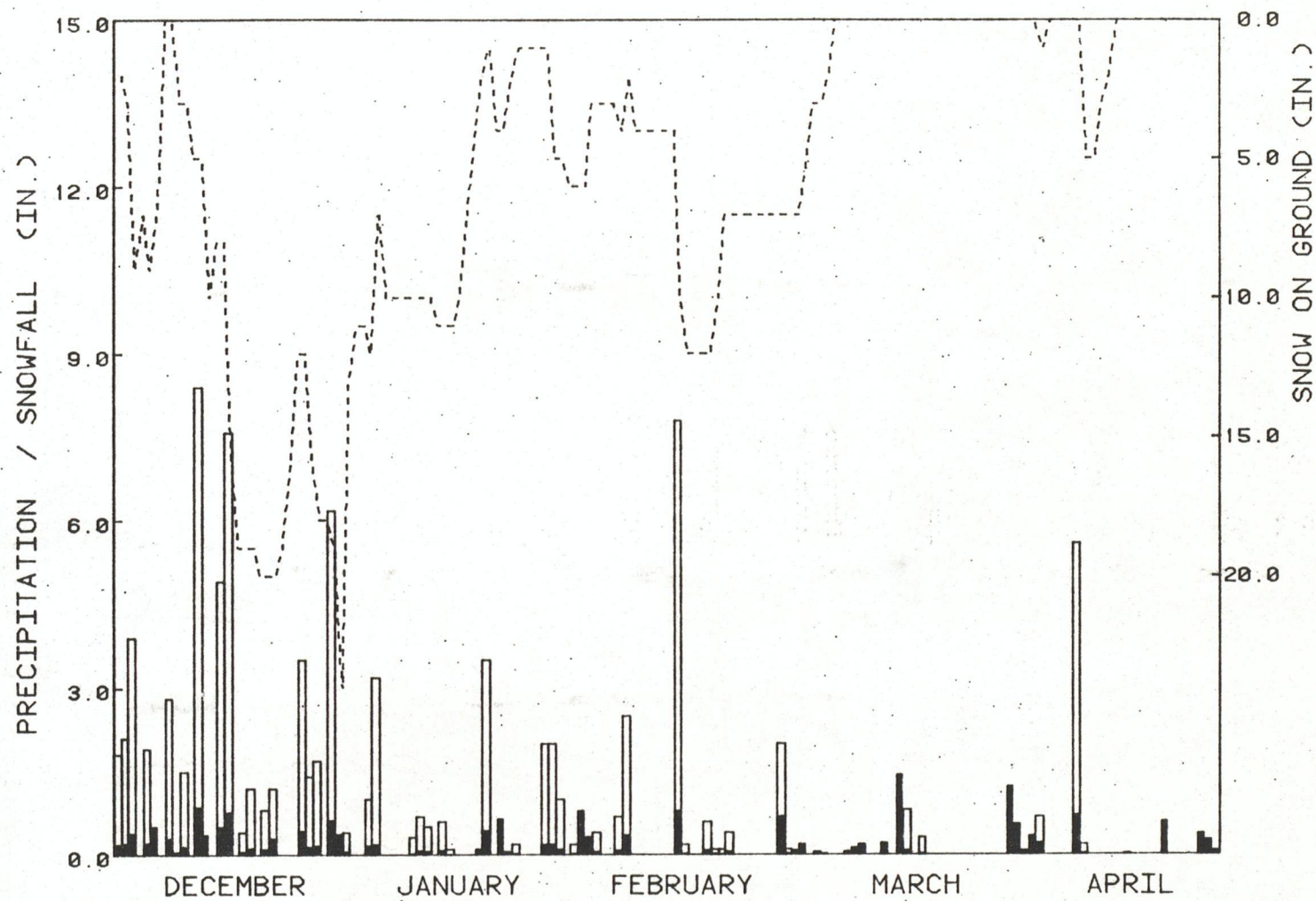
MASSENA

APRIL 1973

DAY	FPT	SNCW		TEMPERATURE			CUM
		SNF	ONGR	MAX	MIN	FDD	
1	1.22			47	41	-12	1063
2	.55	T		44	37	-8	1054
3	.07	T		42	36	-7	1047
4	.33	T		44	34	-7	1040
5	.21	0.7	1	42	34	-6	1034
6				49	31	-8	1026
7				46	31	-6	1020
8				48	29	-6	1013
9				43	25	-2	1011
10	.72	5.6	T	37	28	0	1011
11	.02	0.2	5	32	24	4	1015
12			5	35	25	2	1017
13			3	37	20	3	1020
14			2	50	20	-3	1017
15			T	62	34	-16	1001
16				80	33	-24	977
17	.03			64	45	-22	954
18				73	37	-23	931
19				72	42	-25	906
20				66	38	-20	886
21	T			78	47	-30	856
22	.59			80	61	-38	817
23				61	52	-24	793
24				64	41	-20	772
25				61	34	-15	757
26				65	37	-19	738
27	.38			50	45	-15	722
28	.27			56	41	-16	706
29	.07	T		43	39	-9	697
30				59	36	-15	681

MASSENA 1972-73





WINTER STARTING DEC. 1 1972

MASSENA

MASSENA

DECEMBER 1973

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1	T	T		33	23	4	4
2				30	16	9	13
3				52	22	-5	8
4	.03			52	40	-14	-6
5	.29			50	36	-11	-17
6	.05	T		50	30	-8	-25
7				30	18	8	-17
8				30	13	10	-6
9	.80	T		33	18	6	0
10	.02	0.2		35	31	-1	-1
11	T	T	T	32	23	4	3
12	T	T	T	24	12	14	17
13	.27	2.7		32	12	10	27
14	.14	0.8	2	33	12	9	37
15	T	T	2	12	3	24	61
16	.02	0.2	2	11	6	23	85
17	.44	4.2	2	11	6	23	108
18	.21	2.1	10	6	-15	36	145
19	T	T	10	9	-24	39	184
20	1.61	11.4	12	32	6	13	197
21	.92	6.2	18	32	11	10	208
22	.09	0.9	25	11	-2	27	235
23	.19	1.8	26	24	-8	24	259
24			20	4	-30	45	304
25	.25	T	20	27	-18	27	332
26	.15		18	44	27	-3	328
27	.38		14	39	33	-4	324
28	.02	T	8	38	31	-2	322
29	.09		8	42	29	-3	318
30	T	T	7	39	19	3	321
31	.15	1.4	7	25	14	12	334

MASSENA

JANUARY 1974

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.13	1.3	9	26	14	12	346
2			9	18	-10	28	374
3	.07	0.7	9	23	11	15	389
4	.07	0.7	10	26	7	15	404
5	T	T	10	26	4	17	421
6	.16	1.6	9	23	17	12	433
7	.02	0.2	11	25	10	14	448
8			11	11	-18	35	483
9	.23	2.3	11	1	-18	40	524
10	.03	0.2	13	7	-17	37	561
11	.33	3.3	15	14	6	22	583
12	.01	0.1	16	7	-17	37	620
13	T	T	16	15	-23	36	656
14	T	T	16	37	-14	20	676
15	.23	2.3	14	37	6	10	687
16	.27	2.7	16	7	-14	35	722
17			18	-3	-34	50	773
18	T		18	-1	-35	50	823
19	.19	1.8	20	12	-10	31	854
20	.01		20	12	-21	36	890
21	.17		20	43	11	5	895
22			12	36	18	5	900
23	.19	0.9	13	38	20	3	903
24	T	T	12	36	15	6	910
25	T	T	11	37	29	-1	909
26			11	38	23	1	910
27	.39		8	52	24	-6	904
28	.23	2.3	3	40	31	-3	901
29	.07	0.7	5	36	29	0	900
30			3	45	29	-5	895
31	T	T	2	49	10	2	898

MASSENA

FEBRUARY 1974

DAY	FPT	SNCW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1			1	10	4	25	923
2			1	5	-10	34	957
3			1	0	-8	36	993
4			1	3	-7	34	1027
5	T	T	1	2	-7	34	1062
6	T	T	1	11	-4	28	1090
7	.06	0.6	2	16	3	22	1113
8			2	14	-11	30	1143
9			2	15	-8	28	1172
10	T	T	2	22	-14	28	1200
11	.26	2.6	3	23	8	16	1216
12	T	T	4	29	-12	23	1240
13	T	T	4	41	8	7	1247
14			2	8	-12	34	1281
15			1	15	-14	31	1313
16	T	T	1	30	-5	19	1332
17	.04	0.4	1	29	17	9	1341
18			1	22	4	19	1360
19	.24	2.2	1	36	9	9	1370
20	T		2	32	27	2	1372
21			2	38	10	8	1380
22	.48	T	1	42	27	-2	1378
23	.04	0.3	T	38	10	8	1386
24			T	15	2	23	1409
25	T	T	T	19	2	21	1431
26			T	29	5	15	1446
27			T	39	5	10	1456
28	T		T	45	32	-6	1449

MASSENA

MARCH 1974

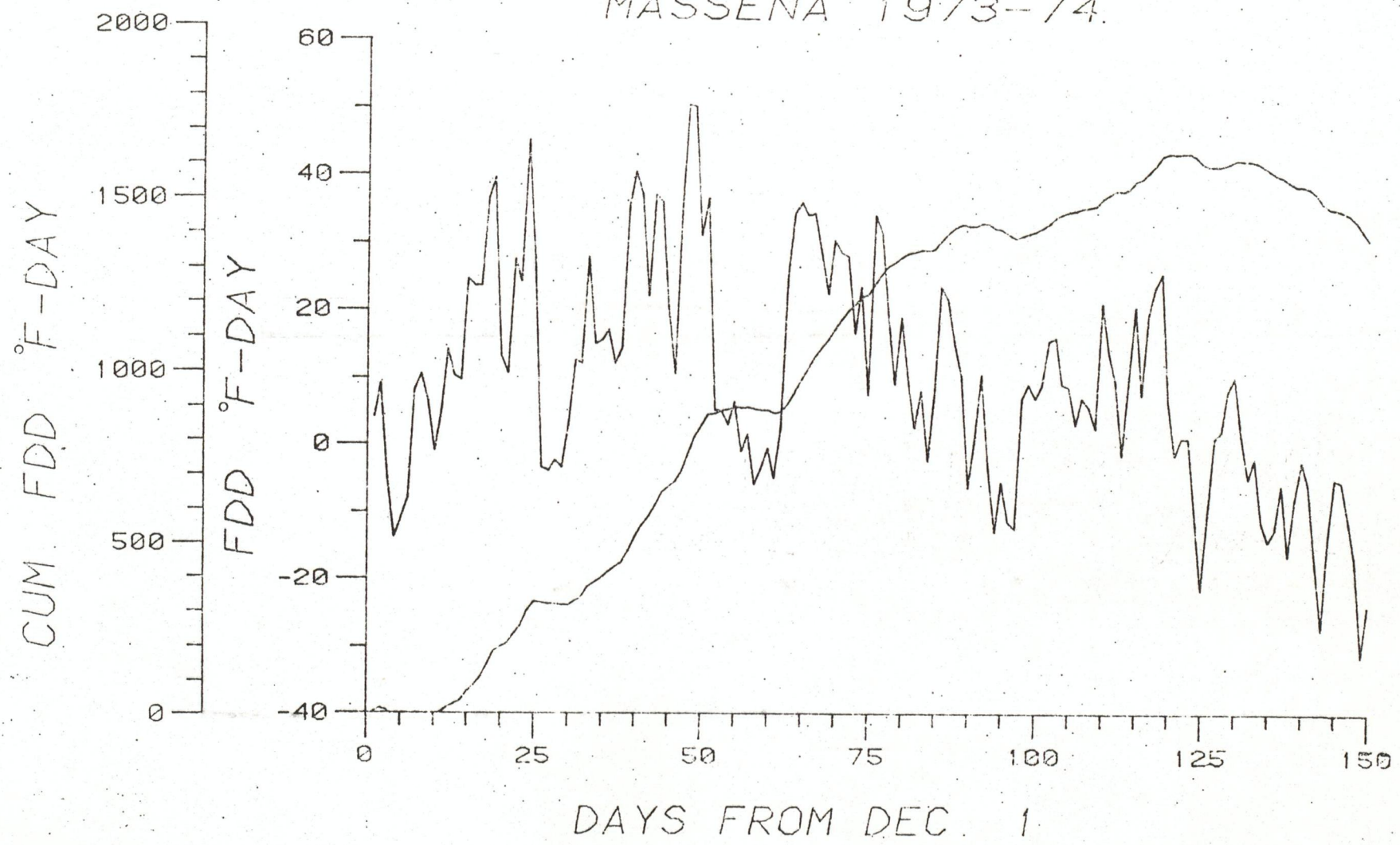
DAY	FPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1			T	39	24	0	1450
2	.10	1.0	T	25	18	10	1460
3			T	54	17	-3	1457
4	.34		T	55	35	-13	1444
5	.47			43	32	-5	1438
6				55	32	-11	1427
7				59	30	-12	1414
8				30	20	7	1421
9	T	T		26	20	9	1430
10	.02	0.2	T	29	21	7	1437
11				36	10	9	1446
12				25	8	15	1462
13				27	5	16	1478
14				31	15	9	1487
15				40	7	8	1495
16	.39	3.2	T	33	25	3	1498
17	.67	6.7	5	31	19	7	1505
18	.04	0.4	10	35	18	5	1511
19	.10	0.9	10	38	21	2	1513
20			3	23	-1	21	1534
21	.78	7.8	3	22	15	13	1548
22	T	T	11	32	13	9	1557
23	T	T	9	47	20	-1	1556
24	.16	0.7	3	32	13	9	1565
25			4	20	3	20	1586
26	.12	1.2	4	37	12	7	1593
27			5	30	-5	19	1613
28			5	23	-6	23	1636
29			5	23	-10	25	1662
30	.35		3	33	18	6	1668
31	.27		2	37	30	-1	1667

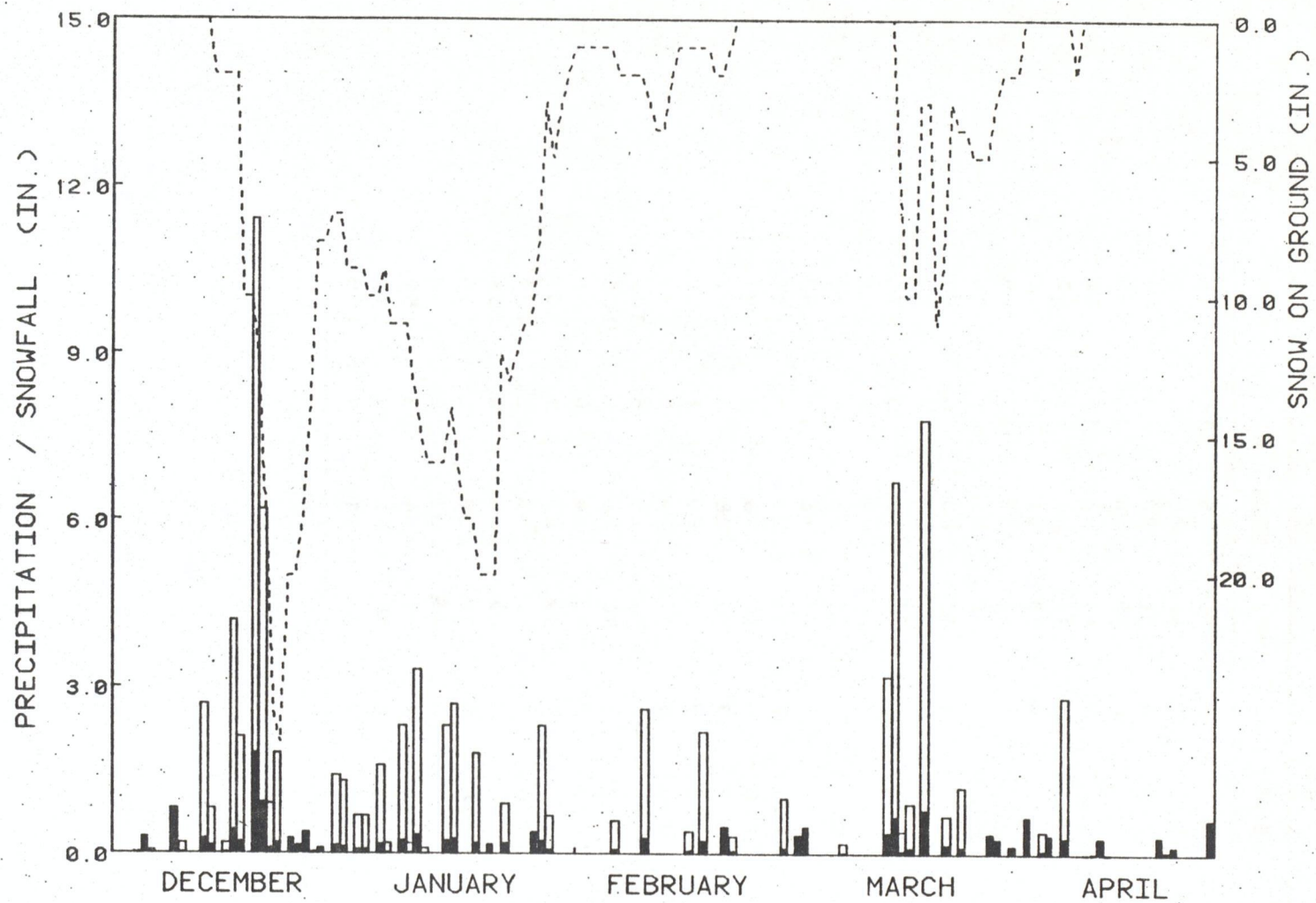
MASSENA

APRIL 1974

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1			2	40	22	1	1668
2	.15		2	40	22	1	1669
3			T	52	32	-10	1659
4	.67		T	72	35	-21	1637
5	T	T	T	50	34	-10	1627
6	.05	0.4		37	25	1	1628
7	.34	T	T	37	23	2	1630
8				29	19	8	1638
9	.29	2.8		24	20	10	1648
10	T	T	2	43	19	1	1649
11			T	49	25	-5	1644
12	.01			45	23	-2	1642
13	.03			53	34	-11	1631
14	.28			61	32	-14	1616
15	.01			53	36	-12	1604
16	T			48	28	-6	1598
17				62	35	-16	1581
18	T			50	30	-8	1573
19				47	22	-2	1571
20				56	20	-6	1565
21	T			74	24	-17	1548
22	.32			67	52	-27	1520
23	.04			54	37	-13	1507
24	.14			47	27	-5	1502
25				54	21	-5	1496
26				55	31	-11	1485
27				69	29	-17	1468
28	T			82	45	-31	1437
29	.63			64	48	-24	1413
30	.40			65	45	-23	1390

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WINTER STARTING DEC. 1 1973

MASSENA

MASSENA

DECEMBER 1974

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1			1	25	6	16	16
2	.16	1.1	1	31	20	6	23
3	.39	3.9	4	31	22	5	28
4			6	22	4	19	47
5			6	33	-2	16	64
6	T	T	5	33	25	3	67
7	.01		4	38	11	7	74
8	.49		1	52	35	-11	63
9	.02	T		41	20	1	64
10	.03	0.3	T	32	20	6	70
11	T	T	T	37	22	2	73
12	.02	T		38	32	-3	70
13				40	29	-2	67
14	.02	0.2		32	23	4	72
15				25	16	11	83
16	.70	7.0	T	33	21	5	88
17	.10	1.0	8	31	28	2	91
18	.08	0.8	7	35	28	0	91
19	.13	1.3	7	33	29	1	92
20	.05	0.5	8	30	24	5	97
21	T	T	8	29	25	5	102
22	.03	0.3	8	30	26	4	106
23			8	40	24	0	106
24	T	T	7	39	23	1	107
25	.26	2.6	7	23	-3	22	129
26			9	29	-15	25	154
27	.06	0.6	9	32	29	1	156
28			10	38	31	-2	153
29	.02	T	7	36	34	-3	150
30	.04	0.4	6	36	21	3	154
31			5	35	21	4	158

MASSENA

JANUARY 1975

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.17	1.7	6	32	26	3	161
2	T	T	6	31	10	11	172
3	.05	0.3	6	35	15	7	179
4	.02	T	6	35	4	12	192
5	T	T	5	21	-4	23	215
6			5	19	-7	26	241
7	.16	1.6	6	32	14	9	250
8	T	T	7	35	26	1	252
9	.01		3	40	34	-5	247
10	T		3	41	33	-5	242
11	.01		3	58	36	-15	227
12			1	40	32	-4	223
13	T	T	1	32	24	4	227
14	.02	0.2	1	24	12	14	241
15	.06	0.6	1	22	7	17	258
16	.12	1.2	2	24	9	15	274
17	T	T	3	9	-9	32	306
18	.18	1.8	3	36	4	12	318
19	.01	T	3	37	3	12	330
20			3	3	-16	38	368
21			2	34	-8	19	387
22	T	T	1	34	-7	18	406
23	.01	0.1	1	30	-10	22	428
24	.14	1.4	1	37	28	0	427
25	.24	2.0	3	37	22	2	430
26	.16	1.5	4	37	8	9	439
27	T	T	5	21	1	21	460
28	T	T	5	26	15	11	472
29	.16	1.6	4	21	17	13	485
30			6	19	-9	27	512
31	T	T	6	22	-12	27	539

MASSENA

FEBRUARY 1975

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CMGR	MAX	MIN	FDD	CUM
1			6	18	-10	28	567
2			6	22	-15	28	595
3			6	12	-12	32	627
4			5	5	-18	38	666
5	.16	1.1	5	18	1	22	688
6	.27	2.7	8	26	18	10	698
7	T	T	8	25	-10	24	723
8	.05	0.5	8	26	-10	24	747
9			8	12	-17	34	781
10	T	T	8	18	-11	28	810
11	.18	1.8	9	17	-13	30	840
12	.02	0.2	10	10	-23	38	878
13	.05	0.5	10	11	-11	32	910
14	T	T	10	22	-3	22	933
15			10	35	-5	17	950
16	.04	0.4	9	35	7	11	961
17	.07	T	8	24	0	20	981
18	.08	0.6	7	40	24	0	981
19	.23	1.8	8	37	29	-1	980
20	T	T	8	35	27	1	981
21	T	T	8	41	30	-3	977
22	.02		7	49	24	-4	973
23	.06		3	41	35	-6	967
24	.22		2	40	29	-2	964
25	.04	0.4	1	42	33	-5	959
26	T	T	1	37	29	-1	958
27	T	T	1	32	28	2	960
28	.10	1.0	1	36	25	1	961

MASSENA

MARCH 1975

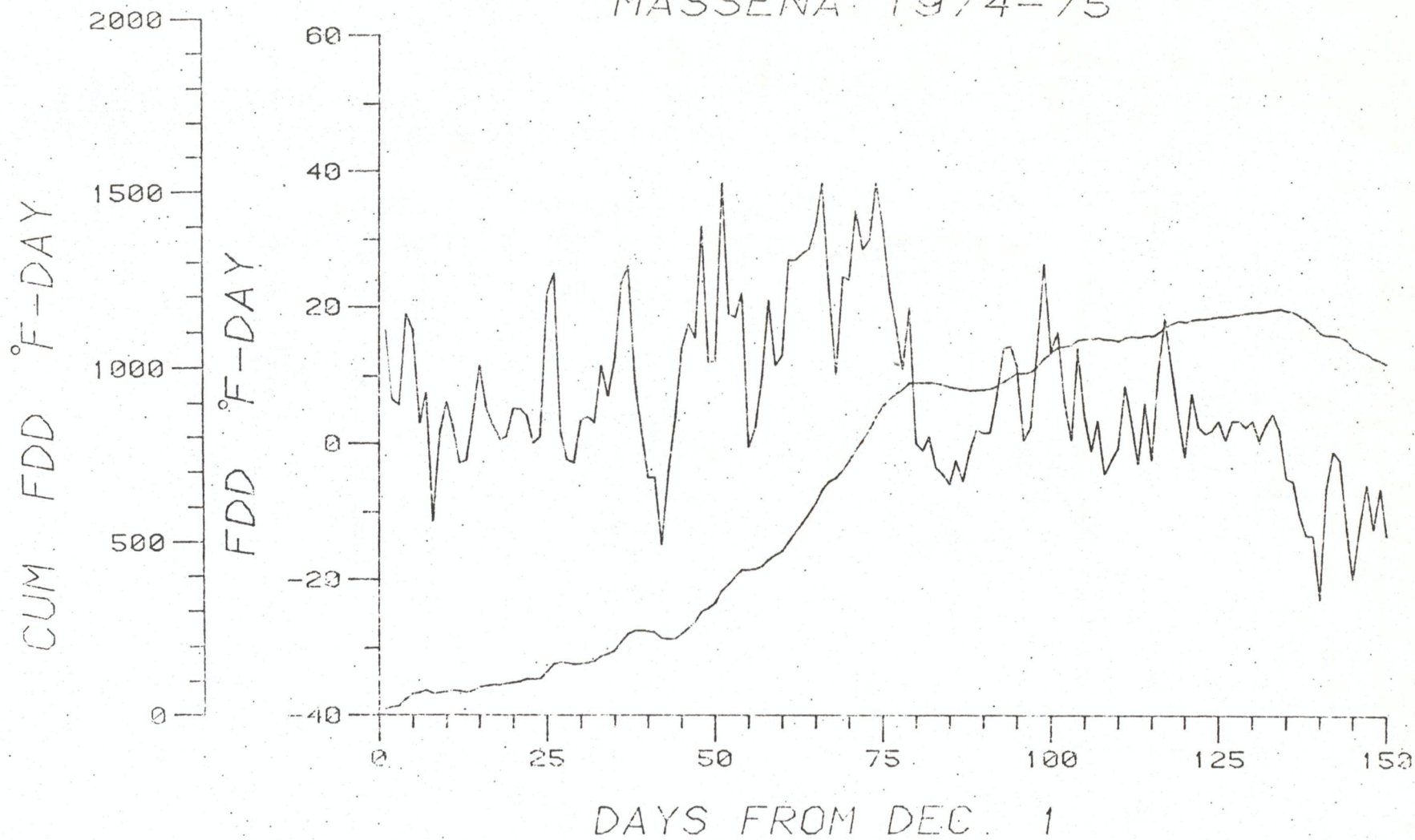
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.05	0.5	2	34	27	1	963
2	.01	0.1	2	28	22	7	970
3	T	T	2	22	14	14	984
4			2	24	11	14	998
5			2	33	8	11	1010
6	.09	0.9	2	36	27	0	1010
7	.22	2.2	3	37	22	2	1013
8	.02	0.2	7	31	3	15	1028
9			7	20	-9	26	1054
10	T	T	7	30	7	13	1068
11			7	33	-2	16	1084
12	T		6	45	7	6	1090
13	T	T	3	42	21	0	1091
14	.04	0.4	1	23	13	14	1105
15	.13	1.3	3	37	19	4	1109
16			2	42	24	-1	1108
17			T	40	17	3	1111
18			T	54	19	-4	1107
19	.45		T	41	28	-2	1104
20	.54	T	T	40	25	0	1104
21			T	30	17	8	1112
22	.20		T	40	17	3	1116
23	.04	T	T	40	30	-3	1113
24	.30	T	T	31	21	6	1119
25	.02	T	T	38	31	-2	1116
26	.02	0.2	T	34	9	10	1127
27			T	22	5	18	1145
28			T	30	12	11	1156
29	.20		T	40	16	4	1160
30	.01	0.1	T	38	30	-2	1158
31			T	30	19	7	1166

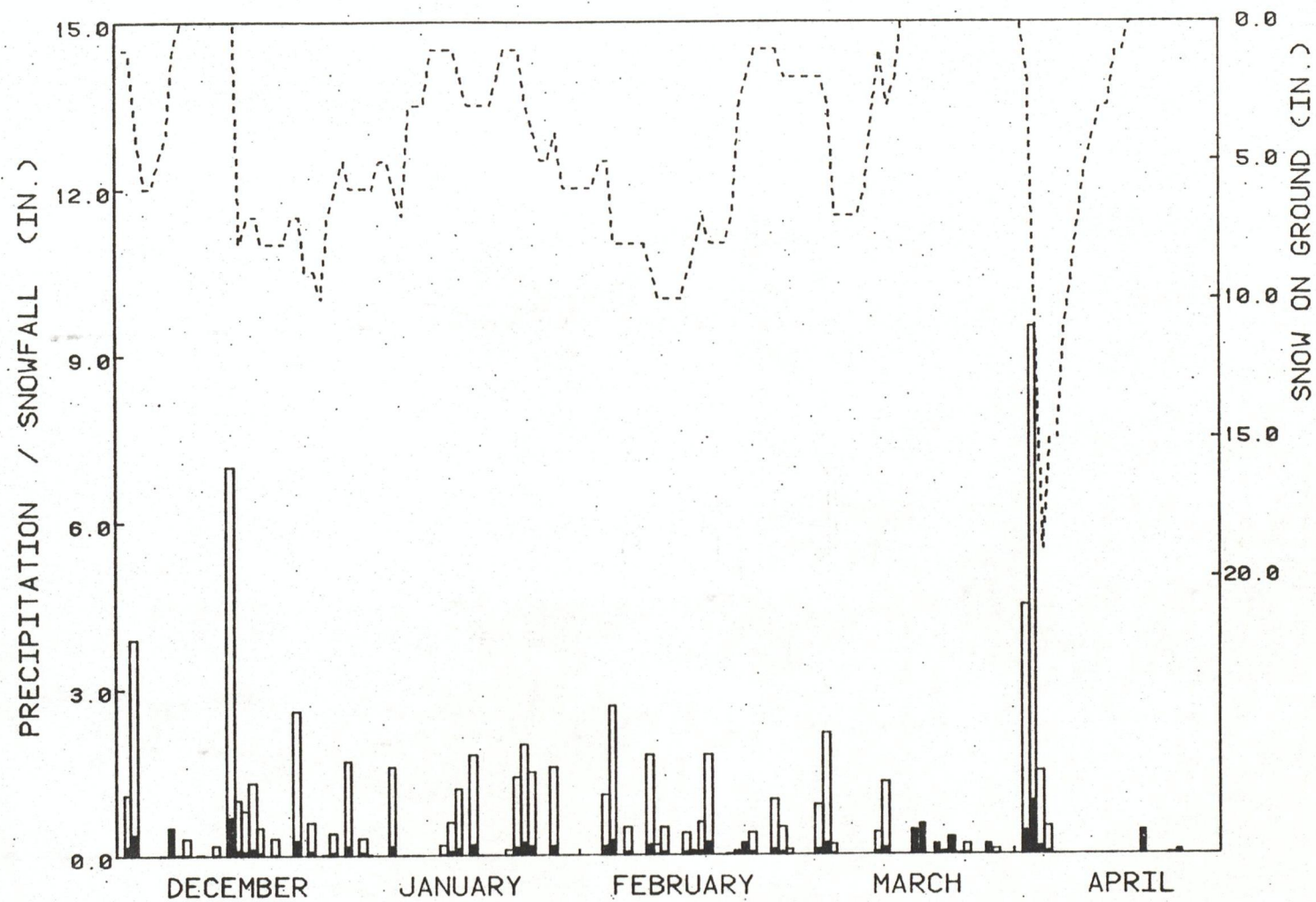
MASSENA

APRIL 1975

DAY	FPT	SNCW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T	T	T	37	22	2	1168
2				39	22	1	1170
3	.43	4.5	2	33	27	2	1172
4	.95	9.5	10	32	25	3	1175
5	.15	1.5	19	39	24	0	1176
6	.05	0.5	15	34	23	3	1179
7	T	T	15	31	26	3	1183
8	T	T	11	33	26	2	1185
9			9	35	22	3	1189
10			7	37	26	0	1189
11			5	37	21	3	1192
12			4	38	17	4	1197
13			3	39	21	2	1199
14			3	48	26	-5	1194
15			1	50	25	-5	1188
16			1	55	30	-10	1178
17			T	61	30	-13	1164
18	T		T	62	29	-13	1151
19	.43			67	43	-23	1128
20	T			46	31	-6	1121
21				40	26	-1	1120
22				50	19	-2	1118
23	.03			63	26	-12	1105
24	.07			60	44	-20	1085
25				51	37	-12	1073
26	T		T	45	31	-6	1067
27				54	35	-12	1055
28				52	25	-6	1048
29				63	28	-13	1035
30				65	36	-18	1016

MASSENA 1974-75





WINTER STARTING DEC. 1 1974

MASSENA

MASSENA

DECEMBER 1975

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.01	T		57	25	-9	-9
2	.17	2.0		31	21	6	-3
3	.26	4.0	5	25	13	13	10
4			4	20	-3	23	33
5			3	50	-1	7	41
6	.53		T	52	16	-2	39
7				20	8	18	57
8				23	10	15	72
9	.12	1.0		34	11	9	82
10	.03		T	35	28	0	82
11	T	T	T	32	9	11	94
12				26	5	16	110
13	.11	T		30	10	12	122
14	T			56	30	-11	111
15	.05	T		56	15	-3	108
16	T	T		15	2	23	131
17	.38	4.0	T	28	2	17	148
18	.07	1.0	5	24	-3	21	170
19			5	-3	-26	46	216
20	.10	1.0	4	0	-27	45	262
21	.09	0.9	5	9	0	27	289
22	T	T	5	16	-3	25	315
23	T	T	5	20	-2	23	338
24			5	4	-13	36	374
25	.07	1.0	4	13	-8	29	404
26	.35	5.0	6	21	11	16	420
27	.02	T	10	23	6	17	437
28			10	17	-2	24	462
29			9	18	-8	27	489
30	.24	2.2	8	38	0	13	502
31	T		8	38	32	-3	499

MASSENA

JANUARY 1976

DAY	PPT	SNOW		TEMPERATURE			
		SNF	DNCR	MAX	MIN	FDD	CUM
1	T	T	7	32	11	10	509
2	.02	0.2	7	15	-7	28	537
3	.35	3.5	9	35	15	7	544
4	.15	1.5	13	31	-2	17	562
5	T	T	13	0	-17	40	602
6	T	T	13	26	-8	23	625
7	.01	T	12	32	5	13	639
8	T	T	12	10	-19	36	675
9	T	T	11	19	-18	31	707
10			11	10	-18	36	743
11	.04	0.4	10	2	-20	41	784
12	.13	1.3	13	7	-12	34	818
13	.13	1.3	13	17	-11	29	847
14	.38	3.8	18	31	17	8	855
15	T	T	18	22	-12	27	882
16	.27	2.7	18	30	-10	22	904
17	T	T	21	5	-13	36	940
18			21	-8	-36	54	994
19	T	T	20	9	-33	44	1038
20	.24	2.4	22	34	6	12	1050
21	.23	2.3	22	29	22	6	1057
22	.04	0.4	23	24	-19	29	1086
23			22	-9	-23	48	1134
24	.05	0.5	21	-2	-30	48	1182
25	T	T	21	9	-20	37	1220
26	.94		19	49	9	3	1223
27	.64	2.7	8	46	25	-3	1219
28	.13	1.4	12	26	17	10	1230
29	.18	1.8	13	32	9	11	1241
30			14	9	-7	31	1272
31	T	T	13	17	-16	31	1304

MASSENA

FEEBURY 1976

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1	T		12	40	10	7	1311
2	.15	1.4	12	35	-12	20	1331
3	T	T	12	20	3	20	1352
4	.04	0.4	12	30	7	13	1365
5			12	8	-9	32	1398
6	T	T	11	15	-7	28	1426
7	.01	0.1	11	19	4	20	1446
8	.11	1.1	11	31	19	7	1453
9	T	T	12	25	12	13	1467
10	.11		12	48	17	0	1466
11	.31	1.5	9	40	23	0	1467
12	.09	0.9	10	23	5	18	1485
13	T		9	45	20	0	1484
14			7	23	6	17	1502
15	.06	T	6	46	6	6	1508
16			4	46	27	-4	1503
17	.25	2.5	5	30	22	6	1509
18	.17	0.5	6	34	20	5	1514
19	.16	0.3	6	41	30	-3	1511
20	T	T	5	31	21	6	1517
21	.49	1.0	4	38	18	4	1521
22	.57	1.6	4	34	11	9	1530
23	T	T	6	16	-1	24	1555
24			6	40	16	4	1559
25			5	45	22	-1	1557
26	.01		4	46	32	-7	1550
27	T	T	3	42	28	-3	1547
28	.31	3.1	5	28	6	15	1562
29	.27	1.4	5	41	6	8	1571

MASSENA

MARCH 1976

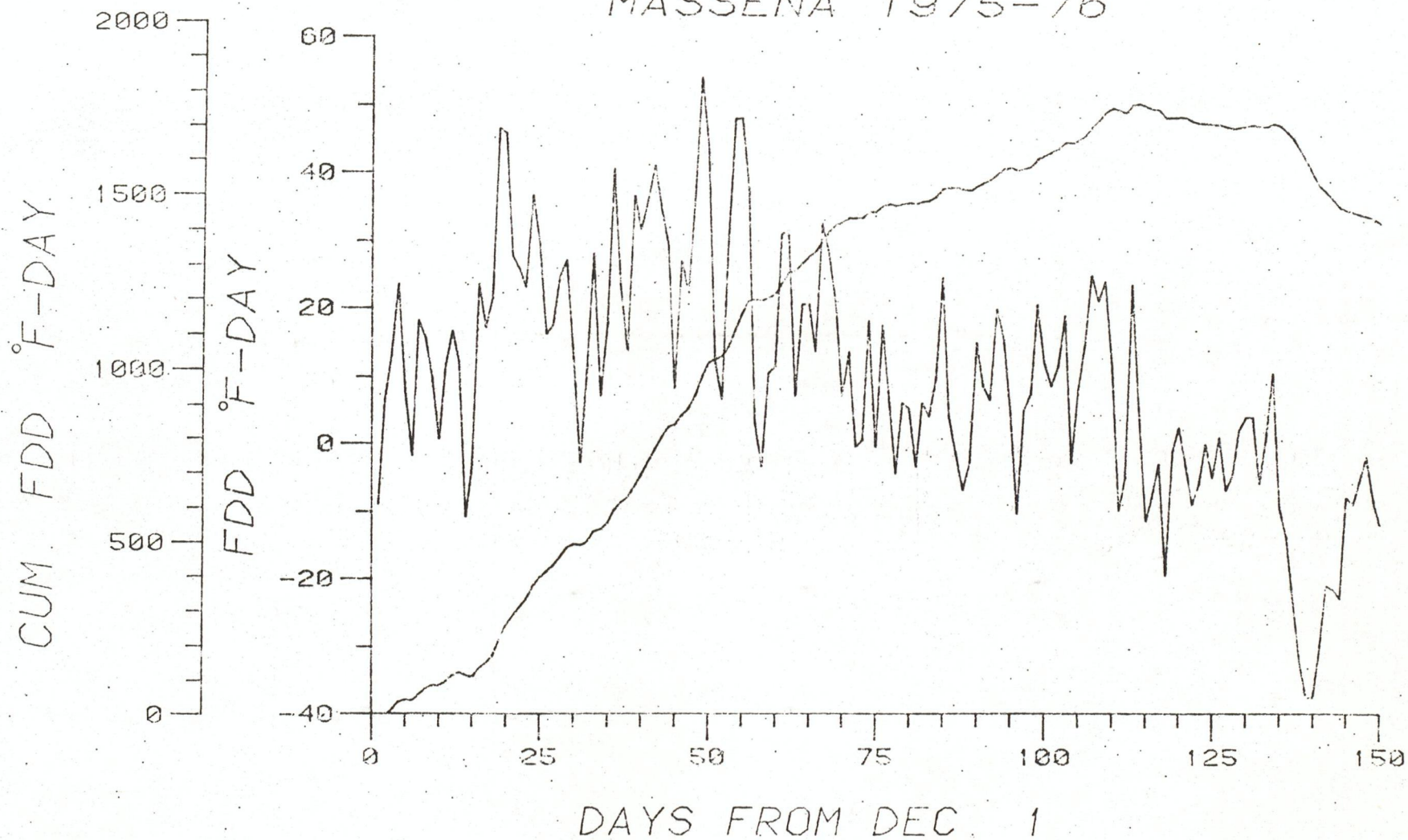
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONCR	MAX	MIN	FDD	CUM
1			5	35	16	6	1577
2	.09	0.9	5	19	5	20	1597
3	.12	1.1	6	22	11	15	1613
4	.51		7	32	22	5	1618
5	.13		6	53	32	-10	1607
6	T	T	4	36	18	5	1612
7	.10	1.0	4	30	19	7	1620
8			3	19	4	20	1640
9			2	36	4	12	1652
10	.28	2.8	2	33	14	8	1661
11	.05	0.5	4	36	5	11	1672
12	.17	1.7	4	34	-8	19	1691
13	.34	0.8	5	42	28	-3	1688
14	.06	0.6	4	34	14	8	1696
15			4	33	1	15	1711
16	.22	2.2	4	13	1	25	1736
17	.08	1.1	8	18	4	21	1757
18			8	22	-6	24	1781
19	.20	2.1	10	24	17	11	1793
20			9	66	18	-10	1783
21	.36	T	1	62	12	-5	1778
22	T	T	T	16	1	23	1801
23			T	40	15	4	1806
24			T	59	28	-11	1794
25	.17		T	52	28	-8	1786
26			T	48	22	-3	1783
27	.06		T	73	30	-19	1764
28	T	T	T	40	26	-1	1763
29			T	43	16	2	1765
30				44	26	-3	1762
31	.30			53	29	-9	1753

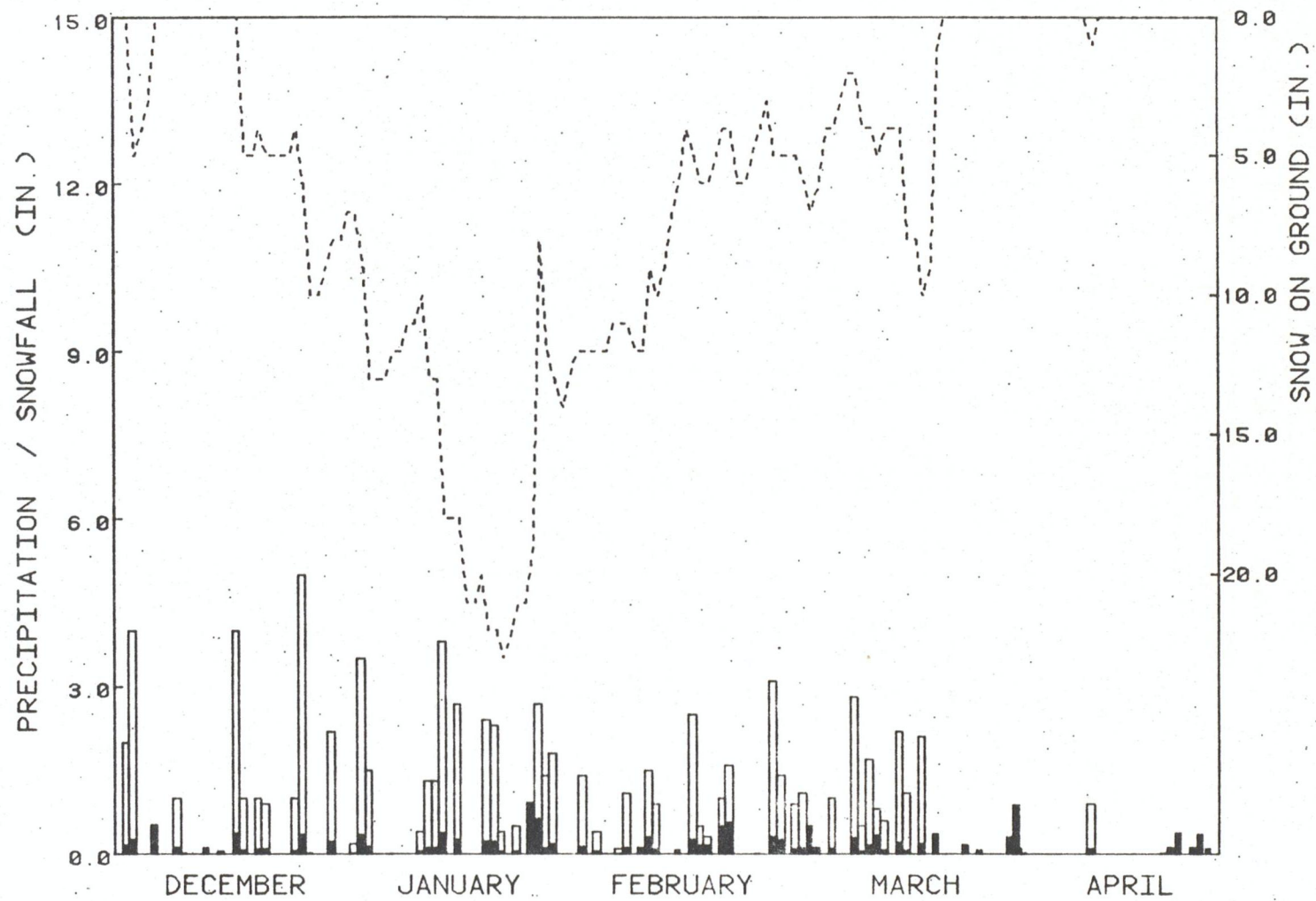
MASSENA

APRIL 1976

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.89			44	32	-6	1747
2	.02			43	21	0	1747
3				47	27	-5	1742
4				39	23	1	1743
5				50	28	-7	1736
6				46	27	-4	1732
7				41	19	2	1734
8				37	19	4	1738
9				40	16	4	1742
10				56	20	-6	1736
11	.09	0.9	I	46	17	0	1736
12			T	32	11	10	1747
13			T	57	26	-9	1737
14				61	31	-14	1723
15				66	44	-23	1700
16				73	55	-32	1668
17				84	55	-37	1631
18				82	57	-37	1593
19				79	47	-31	1562
20				64	42	-21	1541
21	.02			68	39	-21	1520
22	.11			67	43	-23	1497
23	.37			52	28	-8	1489
24				54	28	-9	1480
25	.12		T	42	33	-5	1474
26	.36		T	36	32	-2	1472
27	.10			45	36	-8	1464
28	T			49	39	-12	1452
29				61	35	-16	1436
30				63	35	-17	1419

MASSENA 1975-76





WINTER STARTING DEC. 1 1975

MASSENA

MASSENA

DECEMBER 1976

DAY	PFT	SNOW		TEMPERATURE			
		SNF	QNGR	MAX	MIN	FDD	CUM
1	.02	0.2	7	27	6	15	15
2	.10	1.0	7	33	-6	18	34
3			8	11	-14	33	67
4	.01	0.1	7	19	-10	27	95
5	.05	0.6	6	31	-5	19	114
6	T	T	5	36	2	13	127
7	.68	T	2	41	3	10	137
8	.03	0.3	1	6	-5	31	168
9	T	T	1	8	-13	34	203
10	.02	0.2	1	43	-4	12	215
11	T	T	1	42	12	5	220
12	.17	2.0	T	36	30	-1	219
13	.07	0.7	3	30	-16	25	244
14	T	T	3	43	-10	15	260
15			2	43	32	-5	254
16			T	33	21	5	259
17	.04	0.4	T	31	24	4	264
18			T	31	-1	17	281
19			T	26	-1	19	300
20	.32	T	T	32	18	7	307
21	.01	0.1	T	20	1	21	329
22	T	T	T	18	-2	24	353
23	.01	0.1	T	34	18	6	359
24	.02	0.2	T	24	7	16	375
25			T	35	17	6	381
26	.27	2.7	1	31	10	11	393
27			3	10	-18	36	429
28	T	T	3	6	-24	41	470
29	.14	1.4	4	10	2	26	496
30	T	T	4	14	1	24	520
31	T	T	4	6	-7	32	553

MASSENA

JANUARY 1977

DAY	FFT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.07	0.7	3	20	0	22	575
2	.01	0.1	4	27	16	10	585
3	.04	0.4	4	30	23	5	591
4	.13	1.3	5	32	23	4	595
5			6	28	-7	21	617
6	T	T	6	12	-14	33	650
7	.15	1.5	6	31	9	12	662
8			7	10	-5	29	691
9	.01	0.1	7	10	-17	35	727
10	.28	2.8	8	11	0	26	753
11	.05	0.5	12	9	-1	28	781
12			13	10	-5	29	811
13	.01	0.1	12	12	-24	38	849
14	.08	0.8	13	10	4	25	874
15	.08	0.8	13	22	-1	21	895
16	.05	0.5	14	19	1	22	917
17	T	T	13	1	-32	47	965
18	.24	2.4	15	6	-32	45	1010
19	.15	1.5	18	25	6	16	1026
20	.11	1.1	19	31	17	8	1034
21	.02	0.2	19	23	8	16	1051
22	.02	0.2	18	8	-3	29	1080
23	T	T	17	13	-4	27	1108
24	.02	0.2	17	28	10	13	1121
25	.16	1.6	17	32	20	6	1127
26	.04	0.4	18	27	15	11	1138
27	.14	1.4	19	24	7	16	1154
28	.32	3.2	20	23	0	20	1175
29	T	T	23	10	-1	27	1202
30	.04	0.4	23	16	4	22	1224
31	.65	6.5	24	19	10	17	1242

MASSENA

FEBRUARY 1977

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1	.06	0.6	30	19	3	21	1263
2			31	24	-4	22	1285
3	.12	1.2	31	38	24	1	1286
4	T	T	32	31	9	12	1298
5	.13	1.3	30	25	9	15	1313
6	.04	0.4	31	25	-2	20	1333
7	.06	0.6	34	14	4	23	1356
8			34	21	-3	23	1379
9	.11	1.1	33	29	19	8	1387
10	.08	0.8	35	29	15	10	1397
11	T		34	46	23	-2	1395
12			24	39	35	-5	1390
13	.04	0.4	17	42	32	-5	1385
14	.05	0.5	14	35	23	3	1388
15	T	T	11	23	9	16	1404
16	T	T	11	9	-4	29	1433
17	T	T	11	21	-5	24	1457
18			10	32	-7	19	1477
19	.06	0.6	11	34	20	5	1482
20	.06	0.6	10	30	15	9	1491
21	T	T	11	25	11	14	1505
22	.08	0.8	11	31	4	14	1520
23	T	T	12	16	-1	24	1544
24	.02	T	12	39	10	7	1552
25	.23	T	9	39	33	-4	1548
26	T	T	7	37	29	-1	1547
27	T	T	7	53	30	-9	1537
28	T	T	5	33	23	4	1541

MASSENA

MARCH 1977

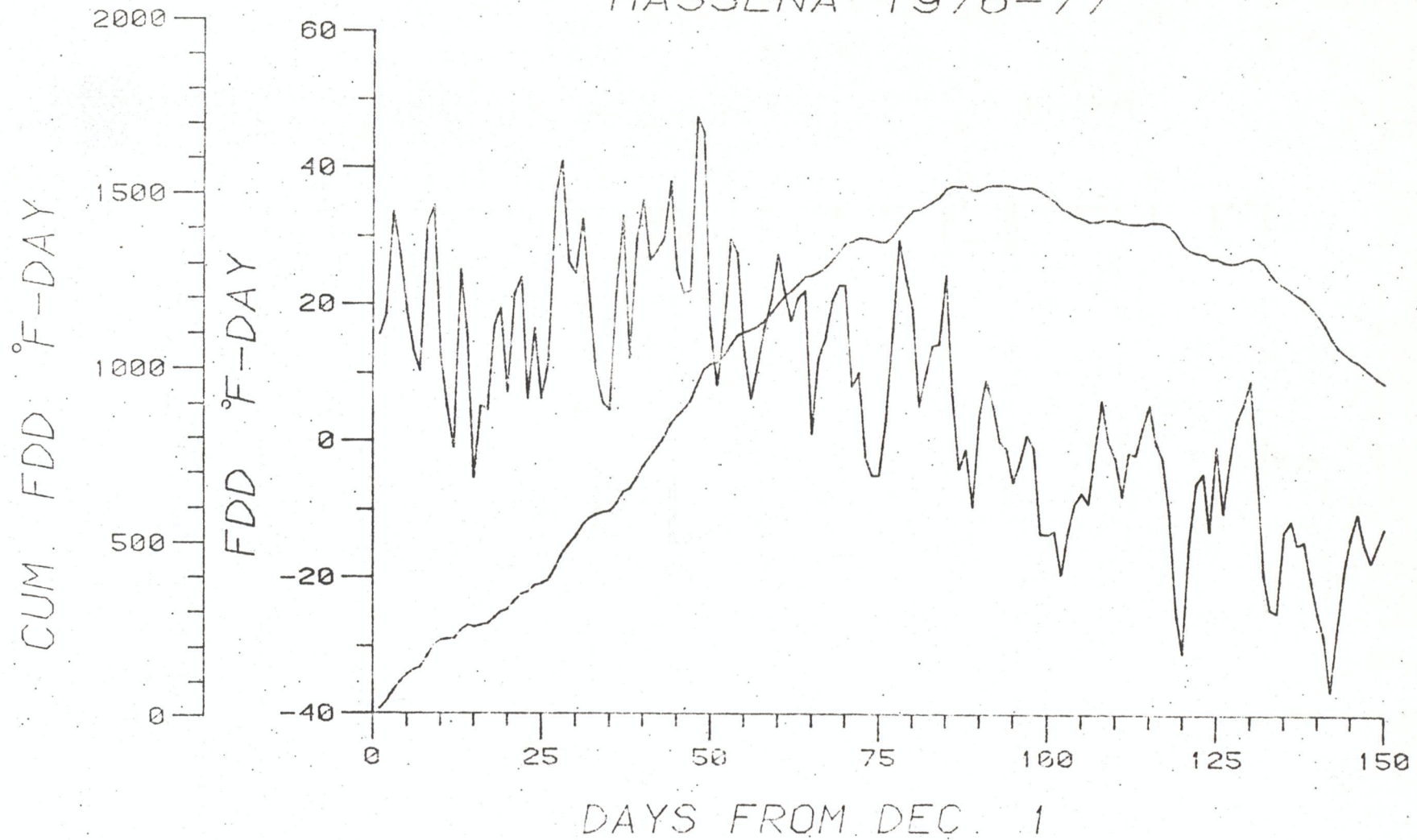
DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T	T	5	26	20	9	1550
2			4	34	19	5	1556
3			4	39	25	0	1556
4	.30	T	3	40	26	-1	1555
5	.01	0.1	3	41	35	-6	1549
6	T	T	3	37	33	-3	1546
7	T	T	3	36	26	1	1547
8			3	41	25	-1	1546
9			2	59	32	-13	1532
10			1	57	34	-13	1519
11			T	60	30	-13	1506
12			T	70	33	-19	1486
13	.97			50	40	-13	1473
14	.30			43	39	-9	1464
15	T			43	36	-7	1457
16	.29			48	34	-9	1448
17	T	T		38	29	-1	1446
18				30	22	6	1452
19				39	25	0	1452
20	T	T		48	21	-2	1450
21	.06	0.6		47	33	-8	1442
22	.59	5.9		36	31	-1	1440
23	.38	3.8	14	38	30	-2	1438
24			13	35	25	2	1440
25			12	35	18	5	1446
26			12	40	24	0	1446
27			10	50	19	-2	1443
28	.19		8	49	36	-10	1433
29	.11		1	74	40	-25	1408
30	T			82	44	-31	1377
31	.04			57	36	-14	1362

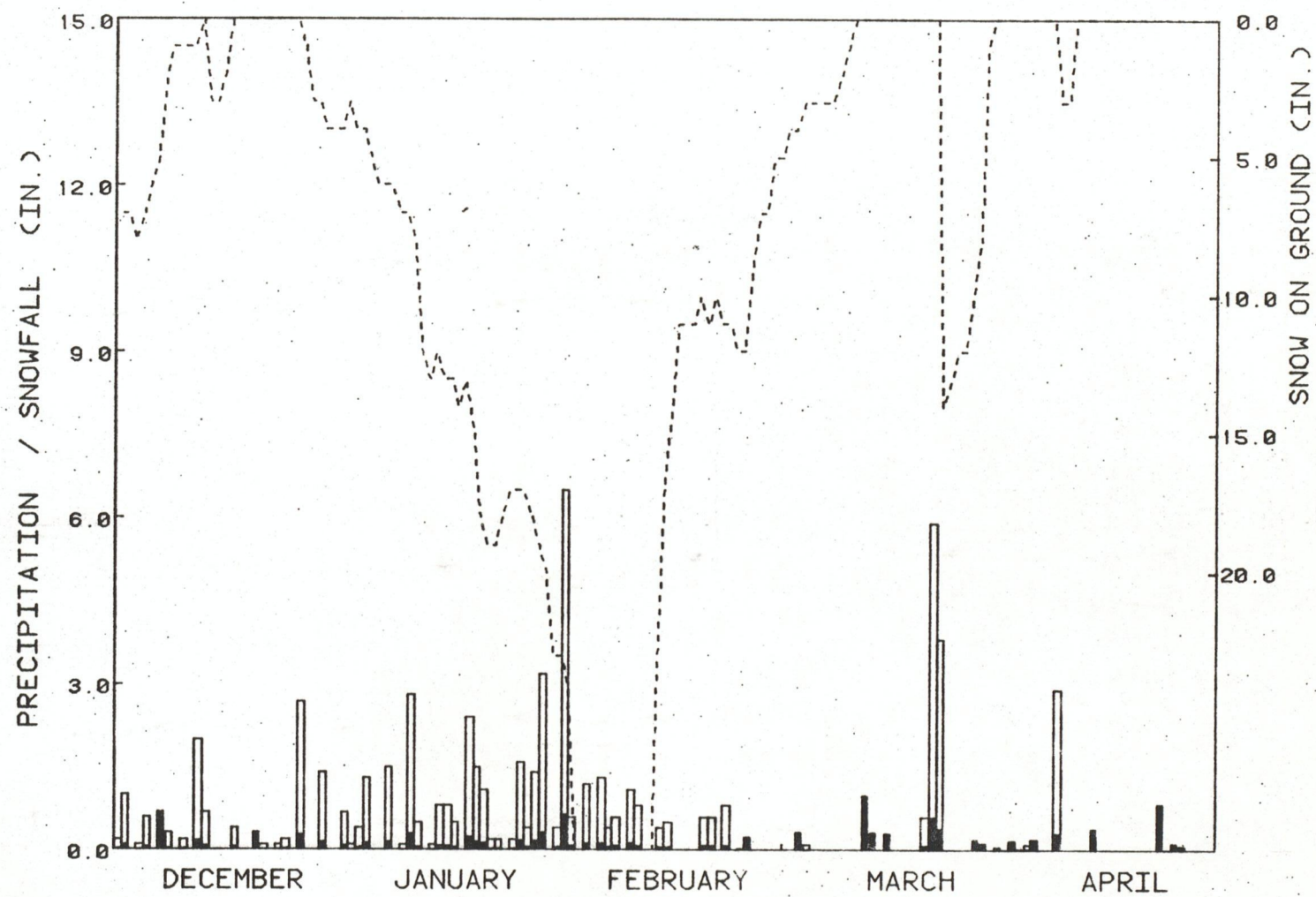
MASSENA

APRIL 1977

DAY	FFT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				46	30	-6	1356
2	.16			47	26	-4	1352
3	.03			57	33	-13	1339
4	.02	0.1		40	25	0	1338
5	.19			50	35	-10	1328
6	T	T		40	29	-2	1325
7	T	T		37	20	3	1329
8	.29	2.9	3	35	18	5	1334
9			3	39	7	9	1343
10			T	52	20	-4	1339
11			T	75	28	-19	1320
12				67	46	-24	1295
13	.37			71	43	-25	1270
14				52	38	-13	1257
15				57	30	-11	1246
16				60	34	-15	1231
17				65	28	-14	1216
18				71	33	-20	1196
19				76	38	-25	1171
20	T			80	41	-28	1143
21				82	55	-36	1106
22	.84			68	51	-27	1079
23	.01			53	49	-19	1060
24	.11			49	43	-14	1046
25	.08			45	40	-10	1035
26	T			56	38	-15	1020
27	T			63	36	-17	1003
28	T			60	34	-15	988
29				57	32	-12	975
30				67	39	-21	954

MASSENA 1976-77





WINTER STARTING DEC. 1 1976

MASSENA

MASSENA

DECEMBER 1977

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1	.18		5	47	31	-7	-7
2	T	T	T	44	35	-7	-14
3	T	T		38	31	-2	-17
4	.04	0.4		33	19	6	-11
5	.11	1.1	T	23	8	16	5
6	.28	2.8	5	23	20	10	16
7	.08	1.3	9	20	9	17	33
8	T	T	9	17	1	23	56
9	.40	4.0	12	36	10	9	65
10			13	10	-1	27	93
11			13	-1	-19	42	135
12	.09	0.9	12	6	-19	38	173
13	.10	1.0	14	14	3	23	197
14	.74	0.6	16	26	14	12	209
15	.08	0.8	12	30	23	5	214
16			11	34	28	1	215
17			10	28	5	15	231
18			10	26	5	16	247
19			10	31	26	3	251
20	.06	0.6	9	30	23	5	256
21	.51	5.1	11	33	30	0	257
22	.03	0.3	24	33	27	2	259
23			24	37	27	0	259
24			20	39	27	-1	258
25	.08		15	44	16	2	260
26	.01	0.1	14	20	8	18	278
27	.01	0.1	13	22	-5	23	301
28	T	T	13	19	1	22	323
29	T	T	13	23	9	16	339
30	.17	1.7	13	28	9	13	353
31			16	22	-3	22	375

MASSENA

JANUARY 1978

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.01	0.1	14	12	-2	27	402
2	.11	1.1	16	17	5	21	423
3	.04	0.4	18	18	0	23	446
4	T	T	18	28	-6	21	467
5	.09	0.9	18	31	15	9	476
6	.03	0.3	19	17	2	22	499
7	.03	0.3	19	16	1	23	522
8	.57	T	19	40	10	7	529
9	1.04	1.0	12	40	5	9	539
10	.04	0.4	13	8	-7	31	570
11	.16	1.6	14	17	1	23	593
12			16	10	-1	27	621
13	T	T	13	12	-7	29	650
14	.23	2.3	15	13	5	23	673
15	.02	0.2	18	13	4	23	697
16	T	T	18	11	-1	27	724
17	.03	0.3	18	15	-4	26	750
18	.40	4.0	26	22	9	16	767
19			29	16	-2	25	792
20	.16	1.6	29	10	1	26	818
21	.12	1.2	34	18	4	21	839
22			34	27	5	16	855
23	T	T	31	28	20	8	863
24	T	T	30	35	21	4	867
25	.11	1.0	28	36	31	-1	866
26	.31	T	20	50	25	-5	860
27	.08	0.8	14	26	15	11	872
28	.04	0.4	16	19	9	18	890
29	.01	0.1	16	9	-6	30	920
30	T	T	16	8	3	26	947
31	T	T	16	15	2	23	970

MASSENA

FEBRUARY 1978

DAY	PPT	SNCW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T	T	15	16	-1	24	995
2	T	T	14	11	-11	32	1027
3			14	7	-21	39	1066
4			14	6	-25	41	1107
5			13	7	-27	42	1149
6	.03	0.3	13	17	4	21	1171
7	.61	8.9	17	26	14	12	1183
8	.02	0.2	24	24	6	17	1200
9			23	21	3	20	1220
10	T	T	20	16	-14	31	1251
11			19	22	6	18	1269
12	.04	0.4	19	25	19	10	1279
13			19	24	2	19	1298
14			18	16	-6	27	1325
15			18	20	-12	28	1353
16			18	21	-5	24	1377
17	.01	0.1	17	31	11	11	1388
18	T	T	17	25	13	13	1401
19			17	20	5	19	1420
20			16	23	-5	23	1443
21	T	T	16	20	7	18	1462
22	T	T	15	25	10	14	1476
23			14	27	17	10	1486
24	.06	0.6	13	29	21	7	1493
25			13	22	-4	23	1516
26	T	T	13	24	10	15	1531
27			12	22	14	14	1545
28			12	20	-1	22	1568

MASSENA

MARCH 1978

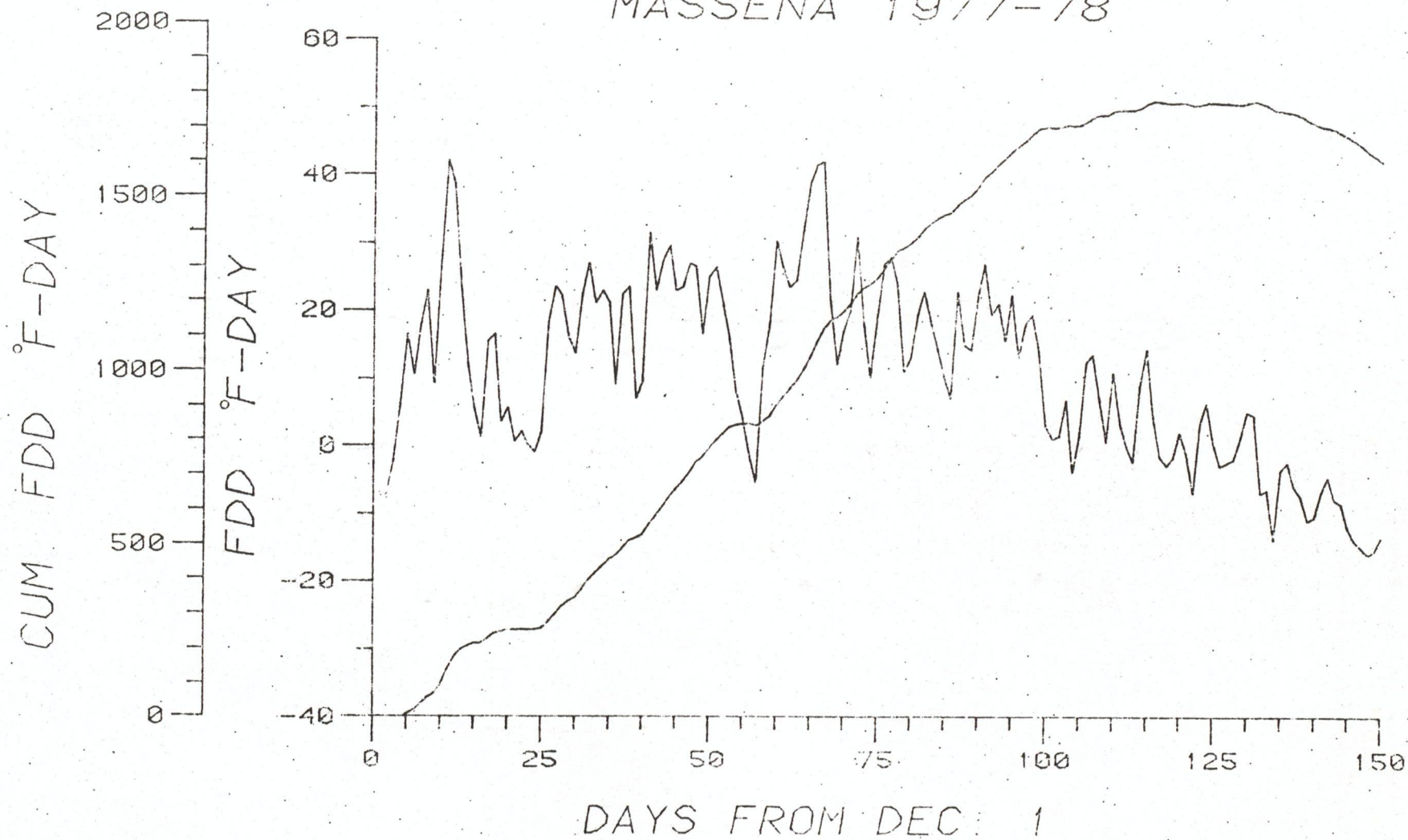
DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1			12	16	-6	27	1595
2			12	21	4	19	1614
3	.03	0.5	12	23	-1	21	1635
4	.02	0.2	11	19	14	15	1651
5	T	T	10	19	0	22	1673
6	T	T	10	24	14	13	1686
7			10	22	6	18	1704
8			9	25	0	19	1724
9			9	33	3	14	1738
10			9	33	25	3	1741
11	.03	0.3	8	41	21	1	1742
12	.01	T	7	41	20	1	1743
13			7	35	15	7	1750
14	.74		5	44	28	-4	1746
15	T	T	4	37	24	1	1748
16			4	24	15	12	1760
17			4	23	14	13	1774
18			4	30	20	7	1781
19	.06	0.6	4	38	25	0	1781
20			5	27	15	11	1792
21	.38	0.2	4	33	24	3	1796
22	.06	0.6	5	34	30	0	1796
23	.12	1.1	5	37	32	-2	1793
24			4	34	12	9	1802
25			4	26	9	14	1817
26	.40	3.7	4	33	22	4	1821
27	.07	0.3	7	35	32	-1	1820
28	.01	T	5	37	33	-3	1817
29	.01	T	4	35	32	-1	1815
30	T	T	4	34	26	2	1817
31	T	T	4	36	30	-1	1816

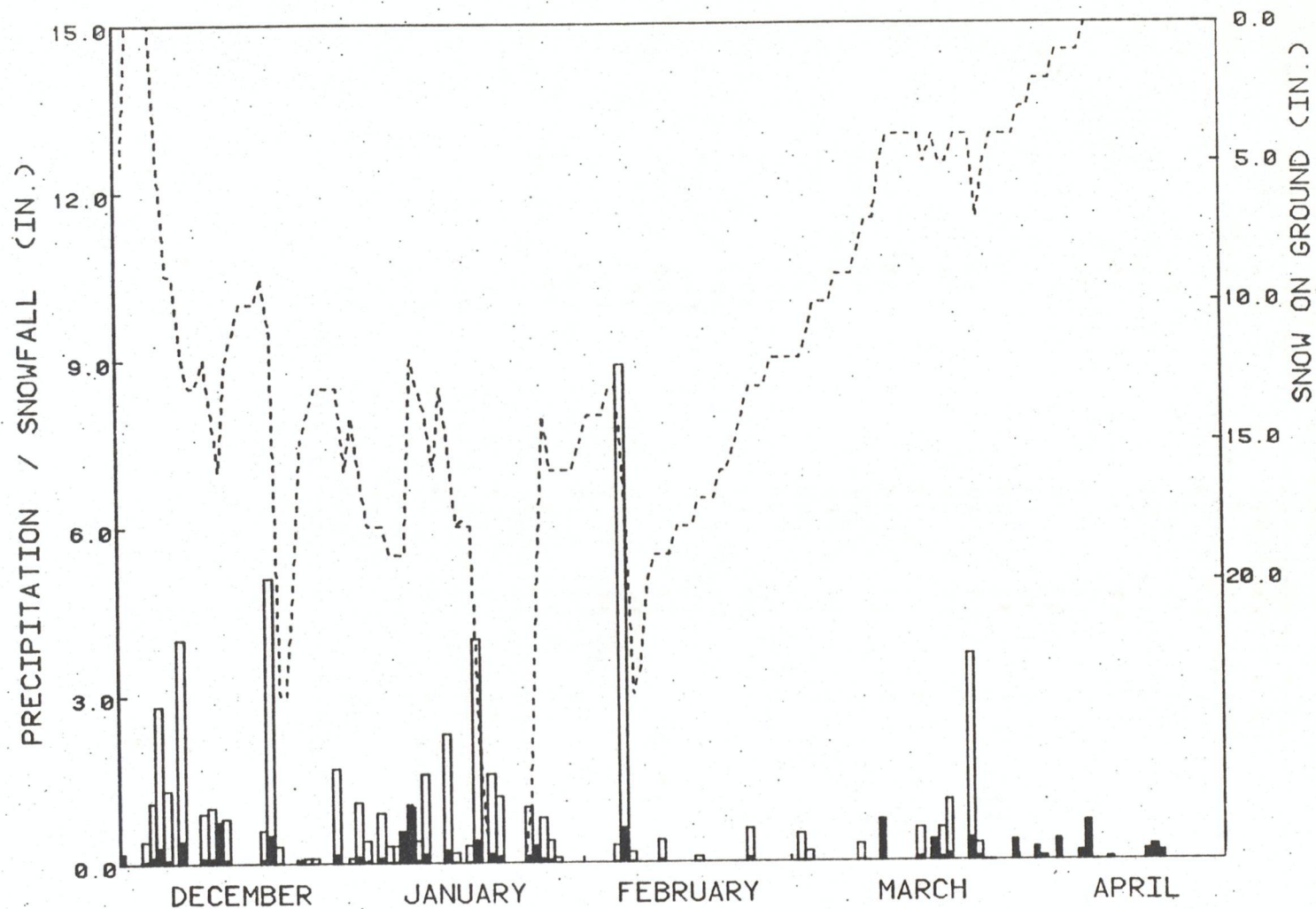
MASSENA

APRIL 1978

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1	.35	T	4	46	32	-7	1809
2			3	32	25	3	1813
3			3	30	21	6	1819
4	.24		2	34	29	0	1820
5	.06	T	2	37	33	-3	1817
6			2	41	28	-2	1814
7	.38	T	1	36	32	-2	1812
8	T	T	1	36	26	1	1813
9			1	31	23	5	1818
10	.16	T	1	35	20	4	1823
11	.71		T	45	33	-7	1816
12	.01		T	41	36	-6	1809
13	T		T	59	33	-14	1795
14	.04	T	T	39	32	-3	1792
15	T	T	T	38	31	-2	1789
16				44	32	-6	1783
17	T			45	34	-7	1776
18				56	30	-11	1765
19	.20			49	36	-10	1754
20	.26			42	36	-7	1747
21	.16			41	32	-4	1743
22				50	30	-8	1735
23				53	28	-8	1726
24				59	29	-12	1714
25				57	35	-14	1700
26				62	32	-15	1685
27				61	35	-16	1669
28				64	31	-15	1654
29				59	32	-13	1640
30				36	25	1	1642

MASSENA 1977-78





WINTER STARTING DEC. 1 1977

MASSENA

MASSENA

DECEMBER 1978

DAY	FFT	SNCW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.03	0.2	1	35	13	8	8
2	.05	0.4	1	35	4	12	20
3	.11	0.9	1	18	-4	25	45
4	.12	T	2	47	18	0	45
5	.03	0.3	1	40	29	-2	42
6			1	43	36	-7	35
7			T	36	29	0	34
8	.28	1.2	T	33	29	1	35
9	T	T	1	29	19	8	43
10	T	T	1	21	-2	22	66
11	.01	0.1	1	27	3	17	83
12	.04	0.4	1	33	18	6	89
13	.01	0.1	1	38	30	-2	87
14	.13	2.4	1	34	16	7	94
15	.04	0.4	4	38	25	0	95
16			2	40	26	-1	94
17	.38	3.8	3	35	15	7	101
18	T	T	3	15	6	21	122
19			3	16	4	22	144
20	.08	0.8	3	17	4	21	166
21	.18	0.2	4	36	15	6	172
22	T	T	4	34	-1	15	188
23	T	T	3	37	19	4	192
24			2	29	10	12	204
25	.48	6.0	5	29	22	6	211
26	.17	1.7	11	29	22	6	217
27	.03	0.3	12	25	15	12	229
28			12	15	4	22	252
29			12	13	-3	27	279
30	T	T	11	19	-4	24	303
31	.17	0.1	11	32	19	6	310

MASSENA

JANUARY 1979

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.09		7	51	32	-9	300
2	.21	2.3	4	36	14	7	307
3	.02	0.2	6	15	9	20	327
4	.04	0.4	7	18	4	21	348
5	T	T	7	16	2	23	371
6	T	T	7	25	7	16	387
7	.28	2.8	7	25	19	10	397
8	.13	1.3	11	21	14	14	412
9	.02	0.2	11	19	11	17	429
10	T	T	10	14	1	24	453
11	T	T	9	4	-15	37	491
12	T	T	9	11	-10	31	522
13	.29	2.9	9	28	6	15	537
14	.10	T	11	42	11	5	543
15	T	T	9	14	2	24	567
16	.14	1.4	10	16	4	22	589
17	.12	2.9	10	4	-9	34	623
18	.03	0.3	13	4	-5	32	656
19			12	3	-20	40	696
20	T	T	11	15	-3	26	722
21	.37	4.9	13	25	15	12	734
22	.02	0.2	15	25	20	9	744
23			15	28	9	13	757
24	T	T	14	31	11	11	768
25	0.4	2.0	14	36	28	0	768
26	.02	T	13	40	35	-5	763
27			9	40	34	-5	758
28	.07	T	7	38	35	-4	753
29	.29	2.9	7	36	22	3	756
30	T	T	9	22	18	12	768
31	.24	2.4	10	19	13	16	784

MASSENA

FEBRUARY 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.13	1.8	12	14	8	21	805
2	T	T	13	11	6	23	829
3			13	14	-5	27	856
4	.05	2.0	13	21	-8	25	882
5	.02	0.2	15	17	0	23	905
6			15	5	-8	33	939
7	T	T	15	9	-12	33	972
8	.11	1.2	15	15	3	23	995
9			16	3	-16	38	1034
10			16	-3	-24	45	1079
11			16	-5	-25	47	1126
12			16	10	-28	41	1167
13			15	-5	-12	40	1208
14			15	-3	-23	45	1253
15			15	2	-20	41	1294
16			15	5	-9	34	1328
17			15	-4	-19	43	1371
18			15	5	-23	41	1412
19	T	T	14	19	-11	28	1440
20			13	31	14	9	1450
21	.09	T	13	40	12	6	1456
22	T		10	37	26	0	1456
23	.17		7	46	23	-2	1454
24	.02		5	43	28	-3	1450
25			4	28	16	10	1460
26	.20	2.0	4	23	18	11	1472
27	.11	1.1	6	29	17	9	1481
28			6	42	20	1	1482

MASSENA

MARCH 1979

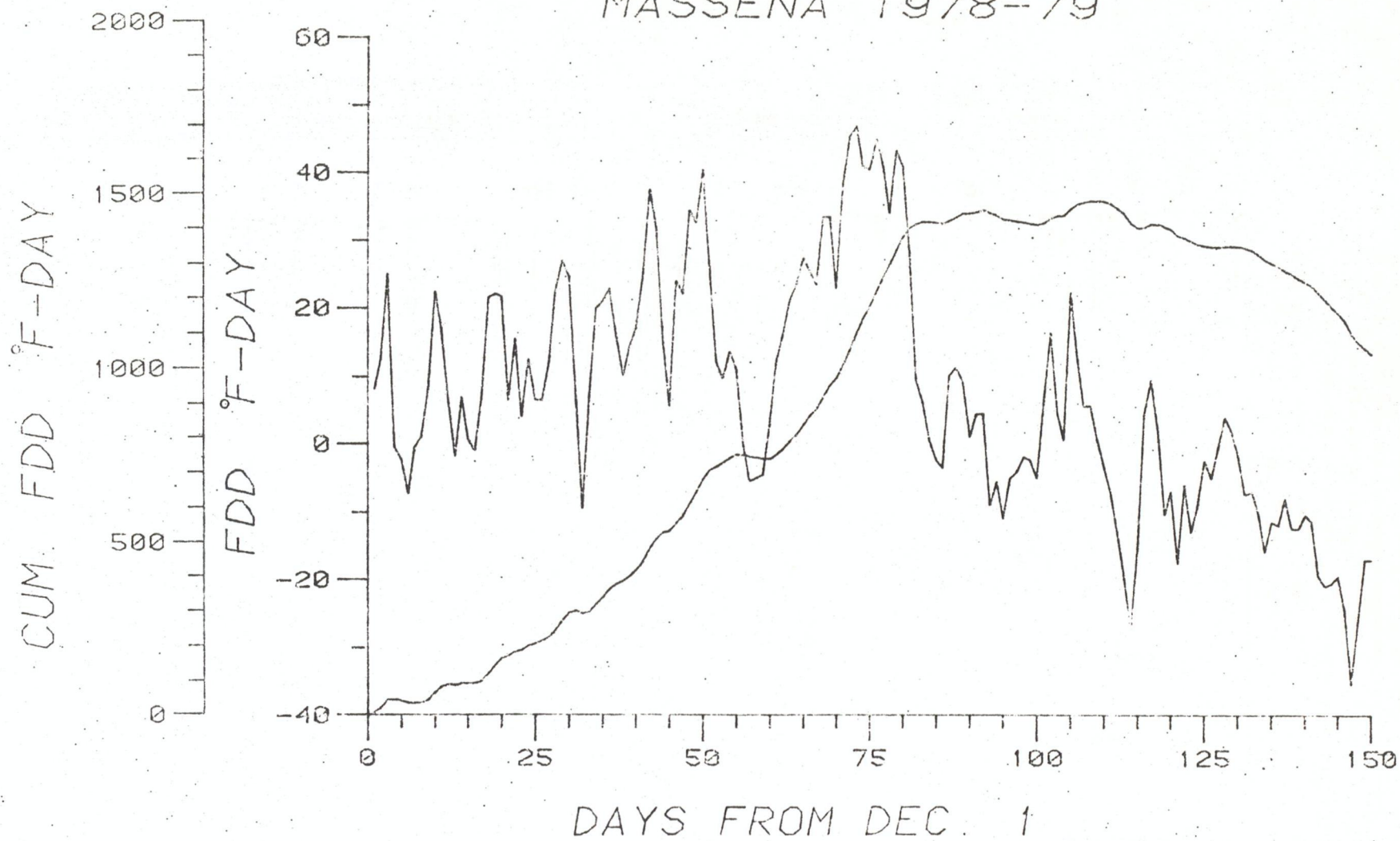
DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T	T	4	31	24	4	1486
2	.03	T	4	32	23	4	1491
3			3	52	30	-9	1482
4	.08		1	48	27	-5	1476
5	.37		T	51	35	-11	1465
6	.55	T	T	40	34	-5	1460
7			T	40	32	-4	1456
8			T	41	27	-2	1454
9			T	42	27	-2	1452
10	.03		T	42	32	-5	1447
11	T	T	T	32	20	6	1453
12	T	T	T	21	10	16	1469
13	T	T	T	49	6	4	1474
14	.13	T	T	48	15	0	1474
15	T		T	15	4	22	1497
16		T	T	30	9	12	1509
17			T	38	15	5	1515
18			T	35	18	5	1520
19				44	19	0	1521
20				49	22	-3	1517
21				50	29	-7	1510
22				61	29	-13	1497
23				73	30	-19	1477
24				67	52	-27	1450
25	.04			56	38	-15	1435
26	.03	0.2		39	16	4	1439
27	T	T	T	33	12	9	1449
28				44	16	2	1451
29	.02			56	29	-10	1440
30	.18			42	36	-7	1433
31	.87			61	38	-17	1416

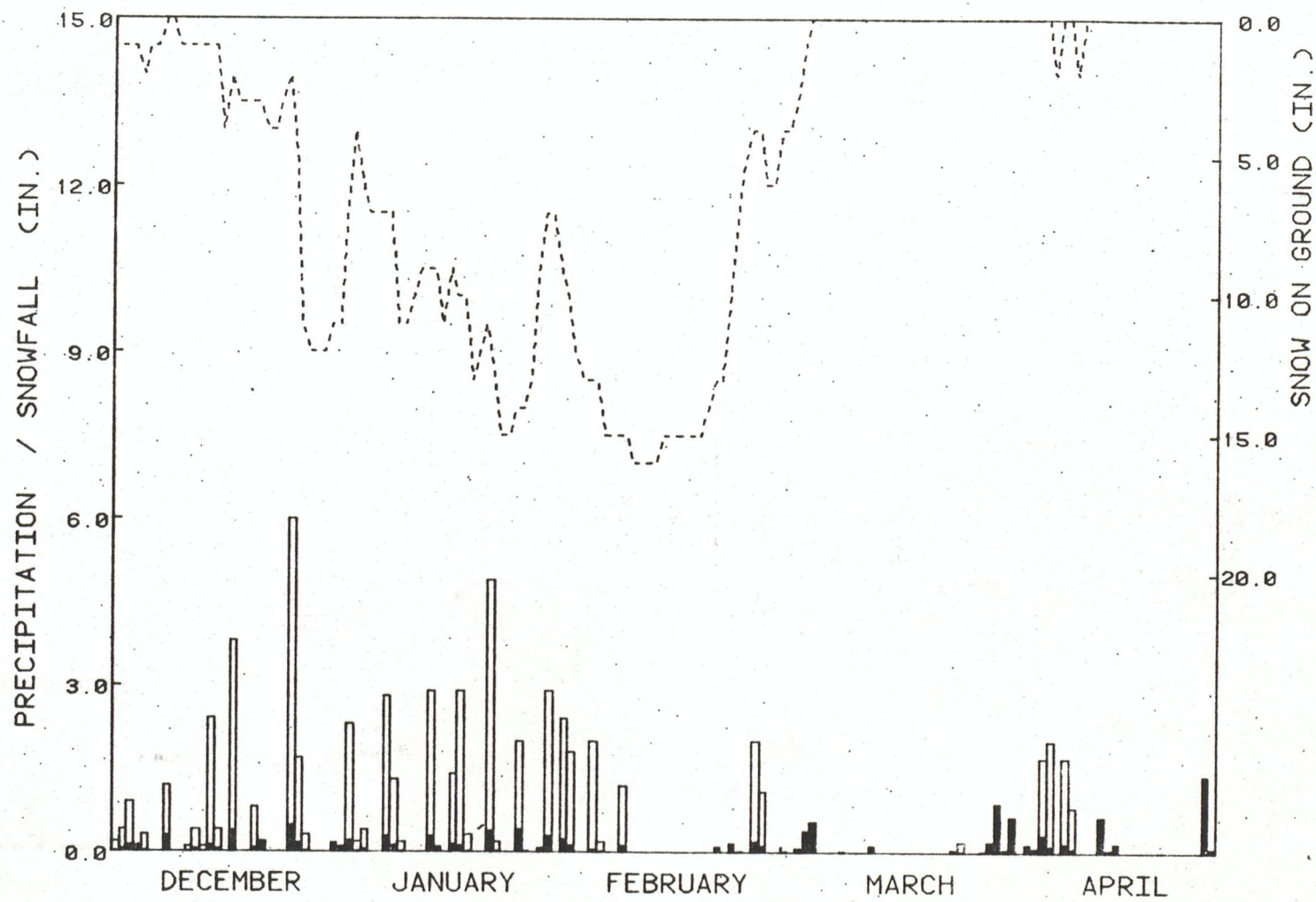
MASSENA

APRIL 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1	.04			41	35	-6	1410
2	.65			52	38	-13	1397
3				52	30	-9	1388
4	.14	T		44	25	-2	1385
5	.07	T		40	34	-5	1380
6	.31	1.7	T	37	28	0	1380
7	.11	2.0	2	32	24	4	1384
8				38	22	2	1386
9	.17	1.7		38	29	-1	1384
10	.08	0.8	2	48	31	-7	1377
11				48	30	-7	1370
12				54	30	-10	1360
13				61	35	-16	1344
14	.64			47	40	-11	1332
15	.05			49	39	-12	1320
16	.16			43	37	-8	1312
17				53	36	-12	1300
18				52	37	-12	1287
19				53	32	-10	1277
20				60	27	-11	1265
21				70	33	-19	1246
22	.01			61	45	-21	1225
23				64	41	-20	1204
24				65	38	-19	1185
25				69	44	-24	1160
26				73	62	-35	1125
27	T			73	44	-26	1098
28	1.39			56	42	-17	1081
29	.06			57	41	-17	1064
30	T			62	34	-16	1048

MASSENA 1978-79





WINTER STARTING DEC. 1 1978

MASSENA

MASSENA

DECEMBER 1979

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONCR	MAX	MIN	FDD	CUM
1	.02	0.2		30	26	4	4
2	T	T	T	26	17	10	14
3				35	14	7	22
4	.01	0.1		40	24	0	22
5	.04	0.4	T	50	24	-5	17
6	.08			50	40	-13	4
7	.07			41	34	-5	-1
8	.12	T		41	14	4	3
9	.16	1.6		34	15	7	10
10	T	T	2	34	12	9	19
11	T		2	60	24	-10	9
12	.29			60	20	-8	1
13	.02	0.2		25	17	11	12
14	T	0.2	T	29	17	9	21
15	T	T	T	38	13	6	28
16	.10	1.0		45	17	1	29
17	.03	0.3	1	17	2	22	51
18			1	8	-3	29	81
19	T			12	-4	28	109
20		T	T	21	0	21	130
21	.01		T	37	10	8	139
22	.45	T		35	14	7	146
23	.26			44	33	-6	140
24	.66			45	36	-8	131
25	.01			36	34	-3	128
26	T	T		34	30	0	128
27	T	T		31	22	5	134
28		T		34	21	4	138
29				37	28	0	138
30				37	20	3	141
31				29	12	11	153

MASSENA

JANUARY 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNGR	MAX	MIN	FDD	CUM
1				29	24	5	158
2	T	T		29	15	10	168
3	T	T		15	8	20	189
4				17	2	22	211
5				21	3	20	231
6				19	-1	23	254
7	.05	0.5	T	39	12	6	261
8				29	19	8	269
9	.04	0.4		19	15	15	284
10	T	T	T	24	3	18	302
11	.31		T	53	18	-3	299
12	T	T		38	16	5	304
13				29	10	12	316
14	.05			41	16	3	320
15				36	23	2	322
16				25	16	11	334
17	T			33	20	5	339
18	T			43	30	-4	335
19	T	T		37	32	-2	332
20	T	T		32	12	10	342
21	T	T		19	4	20	363
22	.17	1.7		33	2	14	377
23	T	T	2	33	7	12	389
24	T	T	2	7	-8	32	422
25			2	16	-7	27	449
26	T	T	1	14	1	24	474
27	.01	0.1	1	25	13	13	487
28	.02	0.2	1	22	11	15	502
29	T	T	1	13	2	24	527
30			1	9	-2	28	555
31				6	-4	31	586

MASSENA

FEBRUARY 1980

DAY	PPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	T	T	1	7	2	27	614
2	.01	0.1	1	9	-4	29	643
3	.02	0.2	1	10	-1	27	671
4	T	T	1	11	2	25	696
5	T	T	1	14	5	22	719
6			1	25	-5	22	741
7			T	28	6	15	756
8			T	24	-1	20	776
9			T	23	2	19	796
10			T	25	-5	22	818
11	.02	0.2	T	30	0	17	835
12	T	T	T	28	4	16	851
13	.02	0.2	T	30	13	10	861
14	.08	0.8	1	31	24	4	866
15	T	T	1	26	8	15	881
16	.09	0.9	2	20	10	17	898
17			2	18	1	22	920
18	.01	0.1	2	26	18	10	930
19	T	T	2	38	23	1	932
20	T		1	46	30	-6	926
21			T	38	18	4	930
22	.25	2.5		25	7	16	946
23	.08	0.8	4	32	16	8	954
24	.08	0.8	4	40	19	2	956
25			3	30	10	12	968
26			3	10	-8	31	999
27	.20	2.0	3	23	-10	25	1025
28	.05	0.5	7	12	-5	28	1053
29	T	T	7	4	-11	35	1089

MASSENA

MARCH 1980

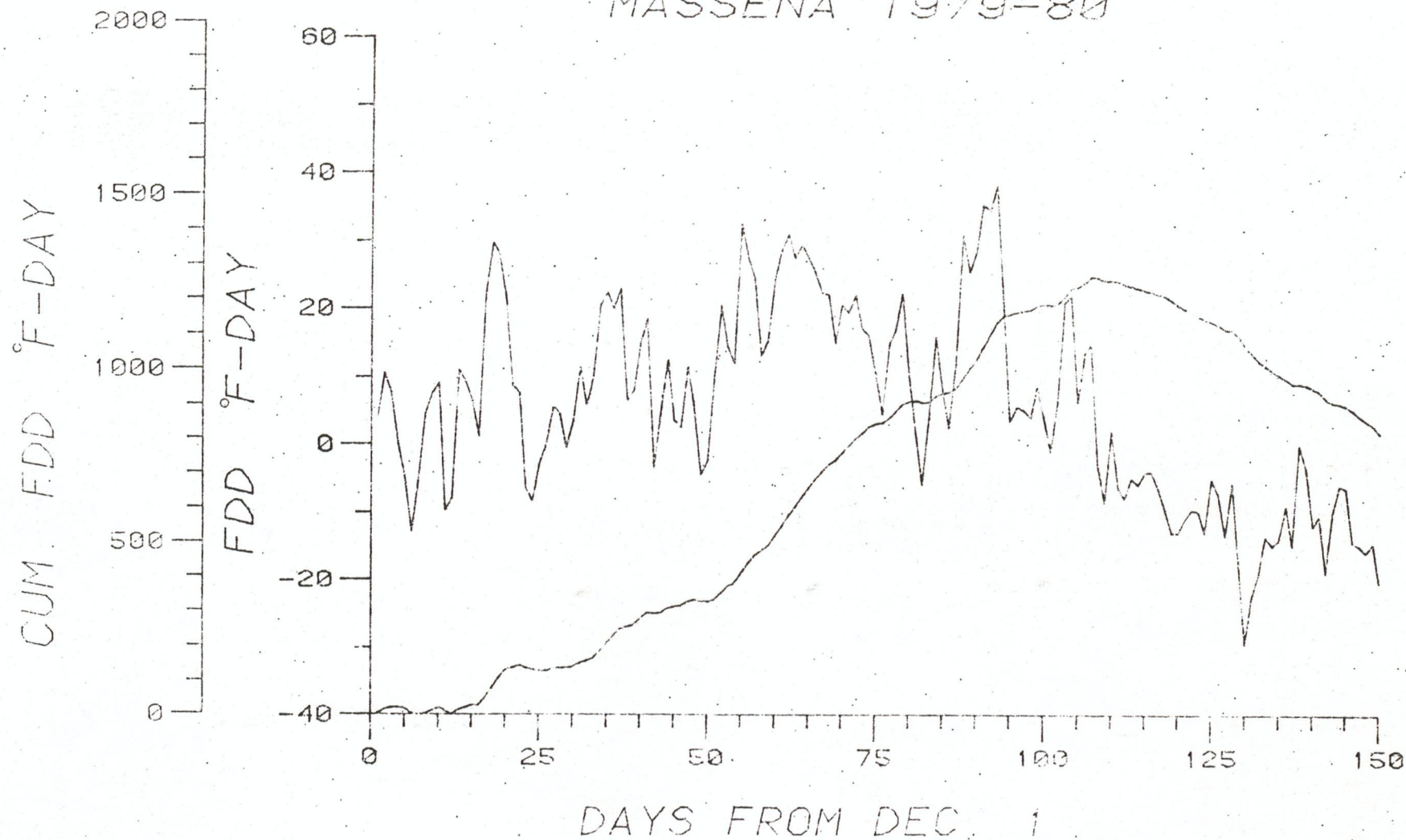
DAY	PPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1			7	6	-11	34	1123
2			6	13	-26	38	1162
3			6	30	-7	20	1182
4			5	36	21	3	1186
5	.22	0.9	4	35	18	5	1191
6	T	T	4	35	19	5	1196
7	.13	1.6	5	34	22	4	1200
8	.13	1.3	5	29	18	8	1209
9	.02	0.6	8	37	19	4	1213
10	.07	T	8	43	23	-1	1212
11	.12	T	4	39	12	6	1218
12			3	21	1	21	1239
13	.06	0.6	3	25	-5	22	1261
14	.47	4.7	7	30	22	6	1267
15	.02	0.2	13	28	9	13	1281
16			13	30	4	15	1296
17	.09		12	51	19	-3	1293
18	.34	T	6	51	30	-8	1284
19			4	41	19	2	1286
20			1	50	27	-6	1280
21	T		T	46	34	-8	1272
22	.02	T	T	45	29	-5	1267
23				49	27	-6	1261
24	T			42	30	-4	1257
25	.47	0.3		39	33	-4	1253
26	.01	T		44	33	-6	1246
27				48	35	-9	1237
28				60	30	-13	1224
29	T			50	40	-13	1211
30				54	32	-11	1200
31				55	28	-9	1190

MASSENA

APRIL 1980

DAY	FFT	SNCW		TEMPERATURE			CUM
		SNF	DNCR	MAX	MIN	FDD	
1				58	26	-10	1180
2				60	30	-13	1167
3				48	26	-5	1162
4	.42			44	35	-7	1155
5	.13	T		57	34	-13	1141
6				46	29	-5	1136
7				69	29	-17	1119
8				73	50	-29	1089
9	1.47			59	50	-22	1067
10	.03			59	43	-19	1048
11	.02			50	41	-13	1034
12	.52			53	41	-15	1019
13				53	39	-14	1005
14	.13			52	30	-9	996
15	.02			56	38	-15	981
16	T	T		38	26	0	981
17	T	T		46	25	-3	978
18	T	T		55	33	-12	966
19				61	24	-10	955
20	.01			63	39	-19	936
21				52	32	-10	926
22				47	29	-6	920
23	T			48	29	-6	914
24	T			51	42	-14	899
25	.28			53	41	-15	884
26	.01			58	38	-16	868
27	T			59	34	-14	854
28	.11			58	47	-20	833
29	.38			54	44	-17	816
30				64	48	-24	792

MASSENA 1979-80



MASSENA

DECEMBER 1980

DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1				44	30	-5	-5
2	.49	T		41	31	-4	-9
3	.45	4.5	1	32	7	12	3
4			5	13	2	24	28
5			4	17	0	23	51
6			4	24	4	18	69
7	.09		3	30	5	14	84
8	.73	T	1	49	30	-7	76
9	.15	1.5		36	20	4	80
10	.07	0.7	2	34	9	10	91
11	.02	0.2	2	11	-7	30	121
12	.19	1.9	3	20	-5	24	145
13	.08	0.8	5	29	-2	18	164
14	.03	0.3	5	23	-6	23	187
15	.01	0.1	5	3	-15	38	225
16	.02	0.2	5	8	0	28	253
17	T	T	5	5	-14	36	290
18	.27	2.7	6	28	5	15	305
19	T	T	8	25	-17	28	333
20			8	4	-21	40	374
21			8	7	-15	36	410
22	T	T	8	19	-23	34	444
23	.14	1.4	8	33	12	9	453
24	.20	3.1	8	33	-18	24	478
25	T	T	11	-13	-28	52	530
26	.04	0.4	11	21	-13	28	558
27	T	T	10	16	-1	24	583
28	T		10	36	-7	17	600
29	T	T	9	37	30	-1	599
30	T	T	8	30	-11	22	621
31			8	3	-13	37	658

MASSENA

JANUARY 1981

DAY	PPT	SNOW		TEMPERATURE			
		SNF	DNCR	MAX	MIN	FDD	CUM
1	T	T	8	9	-15	35	693
2	.12	1.2	8	9	-17	36	729
3	T	T	9	-17	-32	56	786
4	T	T	9	-13	-38	57	843
5	T	T	9	4	-13	36	880
6	.32	3.2	9	23	2	19	899
7	.27	3.9	15	28	-5	20	920
8	T	T	17	1	-10	36	956
9	T	T	17	17	-11	29	985
10	.02	0.2	17	17	-16	31	1017
11			16	-9	-22	47	1064
12	T	T	16	1	-15	39	1103
13			15	3	-24	42	1146
14	T	T	15	15	-22	35	1181
15			15	16	-21	34	1216
16	.10	1.2	15	15	-10	29	1245
17	.04	0.4	16	15	-7	28	1273
18	.06	0.6	16	29	-7	21	1294
19	T	T	17	38	26	0	1294
20			15	36	-9	18	1313
21			15	23	-15	28	1341
22	.09	0.9	15	33	23	4	1345
23	.04	0.7	17	32	26	3	1348
24	.01	0.1	17	27	10	13	1361
25			16	36	-5	16	1378
26	.03		15	53	27	-8	1370
27	T	T	11	43	23	-1	1369
28			5	24	4	18	1387
29			5	22	6	18	1405
30			5	17	3	22	1427
31			5	30	1	16	1443

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FEBRUARY 1981

DAY	FPT	SNOW		TEMPERATURE			
		SNF	CNCR	MAX	MIN	FDD	CUM
1	T	T	4	45	4	7	1451
2	.36	0.1	3	47	23	-3	1448
3	.01	0.1	3	23	0	20	1468
4	.07	0.7	2	17	1	23	1491
5	T	T	3	16	-8	28	1519
6	.10	1.0	3	31	11	11	1530
7	T	T	4	35	26	1	1532
8	.13	1.3	4	40	26	-1	1531
9	.03	0.3	4	26	15	11	1542
10	.02	0.3	4	42	19	1	1544
11	.25	1.0	1	56	20	-6	1538
12	T	T	1	20	3	20	1558
13			1	24	1	19	1578
14			1	30	13	10	1588
15			1	33	13	9	1597
16	T		1	55	28	-9	1588
17	T			47	41	-12	1576
18				56	41	-16	1559
19	.36			54	43	-16	1543
20	.11			50	41	-13	1529
21	.02			55	41	-16	1513
22	.02			57	40	-16	1497
23	.01			53	41	-15	1482
24	.39			51	39	-13	1469
25	.18	T		39	33	-4	1465
26	T			39	28	-1	1463
27				37	23	2	1465
28	.27	0.3		39	22	1	1467

MASSENA

MARCH 1981

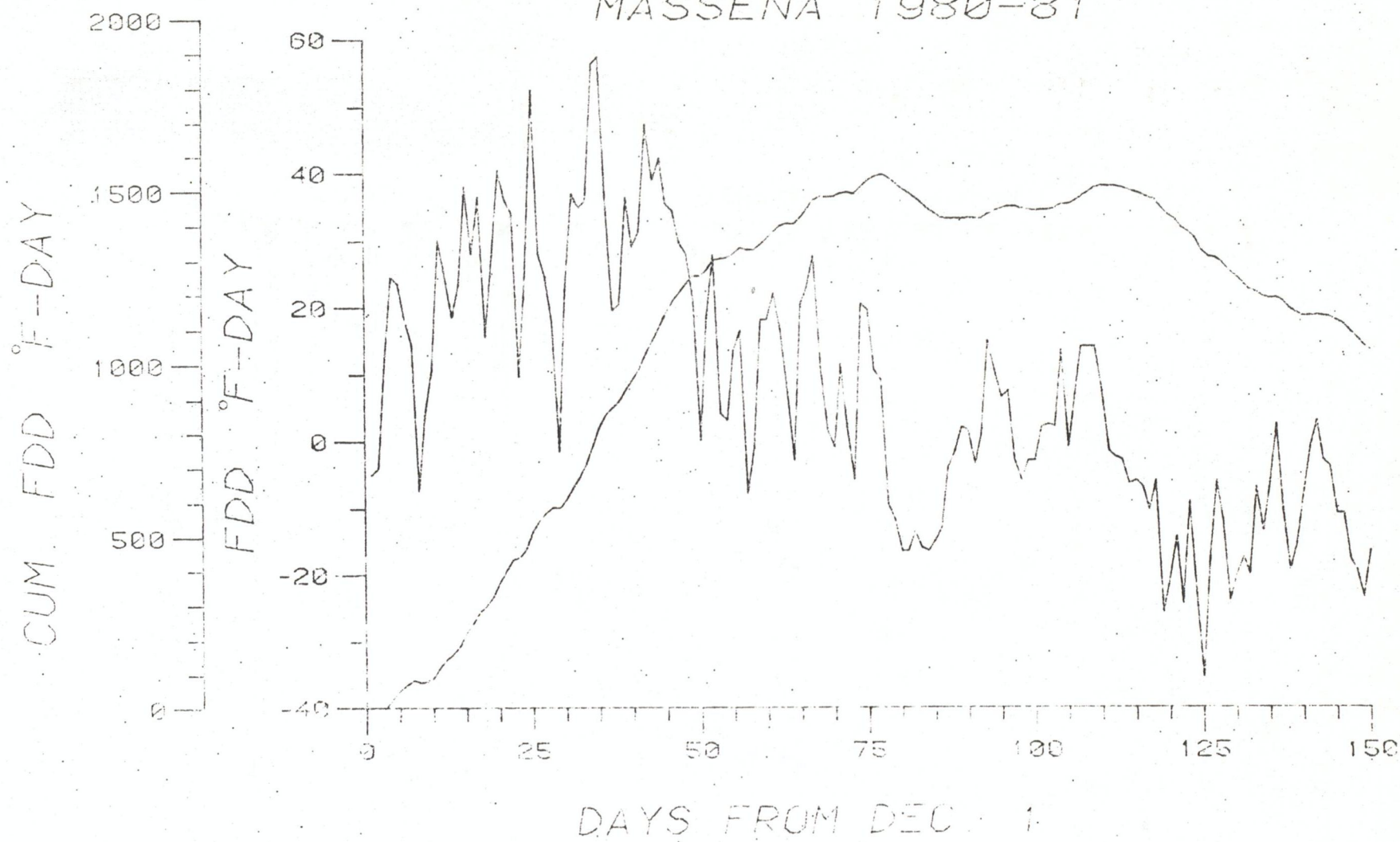
DAY	FPT	SNOW		TEMPERATURE			
		SNF	ONGR	MAX	MIN	FDD	CUM
1	.01	T		39	32	-3	1463
2	.03	0.3		39	23	1	1464
3	.03	0.3	T	23	11	15	1479
4				31	12	10	1490
5				32	19	6	1496
6	.08	0.8		31	18	7	1504
7	.02	0.2	1	40	30	-3	1501
8				42	34	-6	1495
9	T	T		39	31	-3	1492
10	.08	0.8		39	31	-3	1489
11	.07	0.7	1	35	25	2	1491
12	.10	0.3		36	23	2	1493
13	.06	0.6	T	38	22	2	1495
14	.02	0.2	T	24	13	13	1509
15	.02	T	T	46	20	-1	1508
16	.02	0.2	T	38	12	7	1515
17	T	T		27	9	14	1529
18	T	T		26	10	14	1543
19	.02	0.2	T	27	9	14	1557
20	.02	0.2		34	15	7	1564
21	.02	0.2	T	39	28	-1	1563
22				44	25	-2	1560
23				48	22	-3	1557
24	T	T		45	32	-6	1551
25				48	28	-6	1545
26	T			54	24	-7	1538
27	.22			51	34	-10	1527
28	T			51	25	-6	1521
29	T			66	50	-26	1495
30	.30			58	47	-20	1475
31	.01			50	43	-14	1460

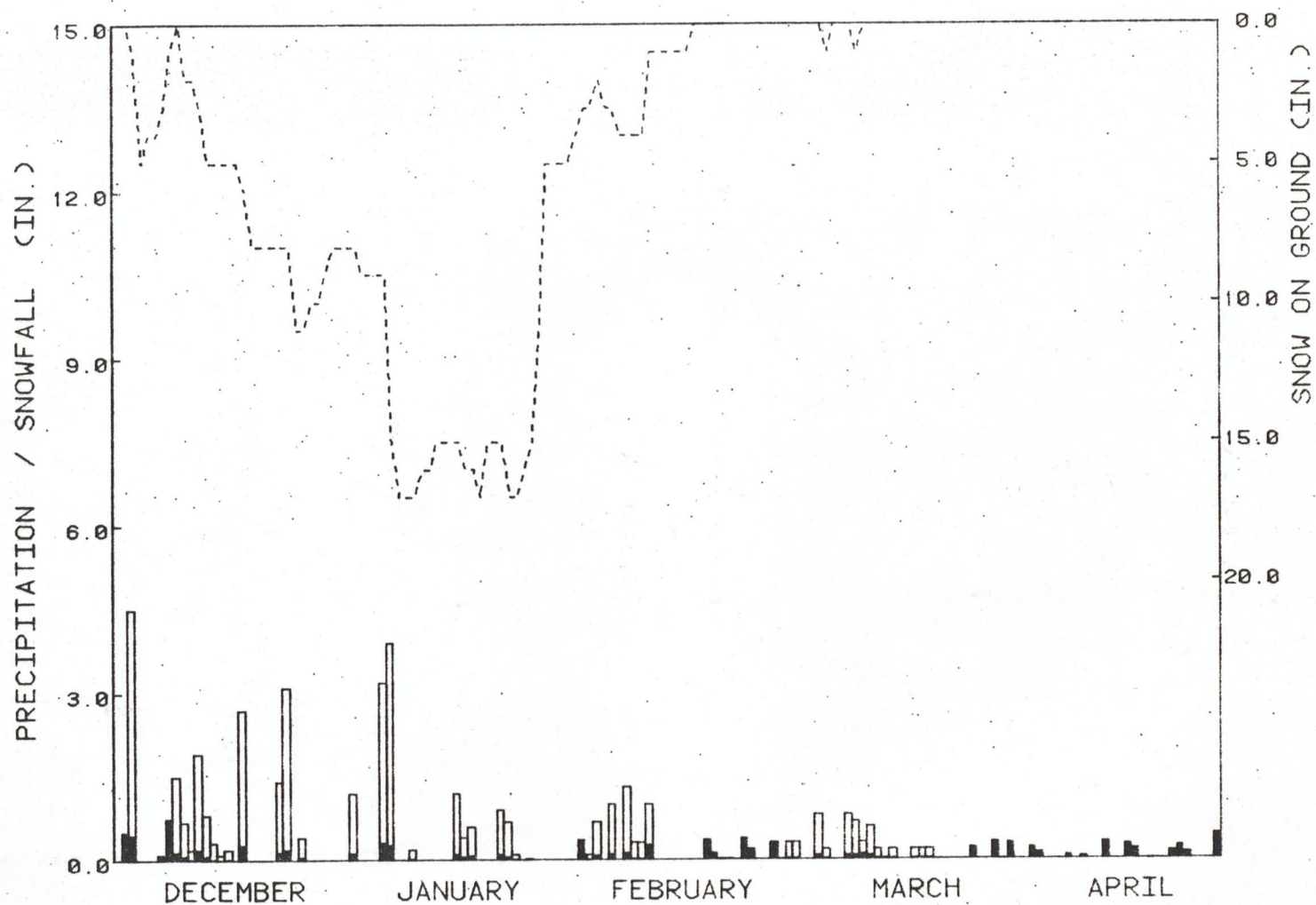
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APRIL 1981

DAY	PPT	SNOW		TEMPERATURE			CUM
		SNF	CNCR	MAX	MIN	FDD	
1	.28			75	38	-24	1436
2				51	31	-9	1427
3				72	38	-23	1404
4	.22			78	57	-35	1368
5	.11			61	38	-17	1351
6	T	T	T	45	31	-6	1345
7				57	31	-12	1333
8	T			73	39	-24	1309
9	.07			64	40	-20	1289
10	T			63	36	-17	1271
11	.05			63	41	-20	1251
12				47	31	-7	1244
13				60	31	-13	1231
14	.32			53	24	-6	1224
15	T	T		37	22	2	1227
16				57	28	-10	1216
17	.25			57	46	-19	1197
18	.20			61	34	-15	1181
19				50	30	-8	1173
20	.01	T	T	38	28	-1	1172
21				37	21	3	1175
22				49	21	-3	1172
23	.14			46	26	-4	1168
24	.23			47	39	-11	1157
25	.12			47	39	-11	1146
26				59	41	-18	1128
27				62	41	-19	1109
28				64	47	-23	1085
29	.46			54	43	-16	1069
30				60	42	-19	1050

MASSENA 1980-81





WINTER STARTING DEC 1 1980

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v.4 v.4, Air temperature...

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