

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	
Jan 1	31.5	38.3	39.2	26.5	28.7	36.0	30.0	34.5	45.3	31.2	26.7	25.2	28.3	34.1	21.2	34.2	39.0	45.1	24.7	16.4	40.6	36.6	21.8	26.5	33.9	39.6	50.3	29.0	38.1	33.3	19.6	30.0	34.8	35.1	32.8	36.6	28.6	14.5	35.8	32.2	22.7	29.8	35.0	27.4	30.7	22.9	
Jan 2	28.3	31.1	41.8	31.6	32.7	26.3	28.4	28.1	37.3	25.4	30.1	18.9	35.7	33.6	22.7	33.6	36.5	40.7	27.8	13.2	45.8	35.1	17.1	26.7	37.6	28.9	38.7	29.0	29.7	26.0	21.8	36.7	27.7	35.5	25.6	38.6	27.6	17.4	26.4	37.2	27.1	27.6	38.2	34.1	32.7	25.3	
Jan 3	28.2	31.3	37.0	21.3	34.3	31.3	40.6	36.2	23.9	20.3	38.3	13.4	27.6	33.7	30.3	25.8	33.8	36.9	32.5	13.4	40.1	29.1	20.3	23.6	37.4	26.1	27.6	29.1	34.2	32.2	18.7	24.9	31.7	36.4	25.0	38.2	20.6	23.4	27.1	41.3	36.4	40.2	38.6	32.8	30.1	23.3	
Jan 4	22.3	25.1	37.4	31.2	22.6	29.8	30.1	37.4	35.3	25.4	37.0	18.6	27.6	25.5	30.2	28.4	37.0	40.3	32.8	23.4	36.4	25.9	26.3	26.0	28.0	28.4	40.2	34.4	32.0	32.6	11.6	19.3	27.4	31.8	42.4	45.8	39.0	30.0	22.3	39.9	36.5	28.7	25.7	21.4	23.4	16.9	
Jan 5	28.3	33.9	31.7	27.0	16.2	18.3	34.6	30.5	31.7	19.6	29.5	18.4	27.9	27.4	33.8	36.4	35.0	29.1	30.1	31.5	33.6	33.0	34.1	30.0	31.6	30.9	37.5	35.1	22.2	26.1	16.3	27.7	33.6	39.1	30.6	37.8	50.5	28.7	28.2	39.8	32.0	23.6	27.7	15.7	22.8	13.4	
Jan 6	37.8	38.5	29.5	38.8	30.0	20.5	40.6	40.0	31.0	21.7	42.6	39.0	36.0	21.7	26.7	28.0	25.9	23.2	31.9	31.0	30.0	34.2	30.6	27.7	31.9	28.2	37.4	30.7	32.7	29.9	29.0	21.8	12.5	30.1	28.2	45.3	23.6	30.8	46.5	31.7	29.1	31.1	37.0	31.7	23.7	18.9	15.5
Jan 7	30.7	38.3	34.0	36.2	38.5	13.6	30.8	34.8	34.7	36.0	35.5	45.9	32.9	28.5	38.4	19.6	25.9	18.2	43.2	22.9	37.1	22.2	25.3	38.4	25.9	23.1	32.3	40.5	23.8	21.8	7.2	28.7	23.3	36.0	23.3	31.7	29.9	32.9	14.1	26.0	33.0	27.1	26.3	21.2	29.4	19.3	
Jan 8	31.8	29.3	25.0	40.1	35.4	24.4	27.3	44.5	37.1	38.9	32.4	33.2	32.5	25.7	25.8	25.3	35.9	16.9	45.2	16.8	37.0	27.9	32.9	39.4	25.7	16.7	23.3	33.7	22.7	25.3	19.9	36.4	34.8	26.5	21.4	27.7	38.0	32.4	26.0	23.4	36.4	30.0					
Jan 9	33.3	19.9	18.0	32.0	43.3	22.0	24.5	43.8	27.5	38.0	32.3	28.6	30.6	22.2	23.5	28.5	38.1	24.8	37.6	28.6	32.0	33.3	31.5	30.1	27.7	20.6	40.1	30.3	25.1	28.3	24.3	27.2	22.7	25.8	24.3	35.8	36.8	26.6	16.7	37.3	33.3	22.5	24.7	21.3	31.9	31.2	
Jan 10	24.6	21.2	24.8	29.9	37.3	27.6	27.0	37.5	31.5	32.2	24.8	23.3	28.1	33.4	23.6	31.8	40.4	28.5	32.6	27.7	32.0	32.1	25.2	33.7	20.9	37.8	46.3	36.6	39.0	24.8	18.7	21.3	29.4	26.8	20.8	38.4	36.1	24.4	10.8	35.6	35.4	23.5	28.2	28.7	25.9	36.9	
Jan 11	30.1	12.5	35.1	26.4	34.4	24.7	30.9	19.7	49.3	33.1	23.6	34.8	26.4	17.6	36.2	31.6	31.1	24.9	36.6	35.9	45.6	27.7	27.2	25.5	36.8	44.7	22.0	27.7	14.1	15.1	18.3	31.4	25.4	25.2	36.6	35.2	32.5	10.0	20.2	38.7	32.5	30.6	31.3	34.2	30.4		
Jan 12	24.8	21.5	34.0	20.7	22.3	30.6	19.5	32.6	18.7	40.0	37.1	27.7	32.3	26.8	16.9	32.1	21.6	34.4	22.9	42.2	26.6	37.6	35.8	27.4	27.0	35.3	36.6	20.6	36.9	20.7	16.7	22.1	32.4	27.4	27.1	28.7	30.3	28.8	18.4	33.3	44.9	34.8	40.2	24.6	33.8	28.4	
Jan 13	24.6	11.1	31.3	17.5	19.9	33.0	26.7	33.9	29.0	38.5	31.4	17.5	33.8	23.2	15.2	29.7	29.7	24.8	17.0	27.4	26.9	29.3	24.3	24.8	24.4	31.3	38.8	17.8	35.8	25.3	13.8	36.7	36.2	21.3	24.6	24.0	29.5	34.2	23.0	36.9	42.8	34.2	33.3	21.0	31.6	26.0	
Jan 14	17.9	19.9	37.1	27.7	26.7	29.3	23.2	39.6	23.4	26.1	33.3	25.6	37.3	26.8	19.5	29.1	20.6	21.4	11.4	33.3	29.7	30.6	29.7	20.3	29.0	28.6	37.8	30.8	40.7	25.3	11.8	37.6	39.6	31.0	23.9	30.7	30.1	29.6	25.7	29.4	40.9	25.2	23.8	18.7	41.9	25.4	
Jan 15	13.3	16.6	34.6	23.4	22.5	20.4	29.5	39.5	25.8	22.9	22.1	26.7	37.0	22.0	19.0	28.6	30.4	24.7	25.2	34.8	41.2	33.8	30.2	20.3	26.7	18.2	36.9	22.3	38.2	31.2	21.1	42.1	43.8	36.2	19.9	32.3	25.8	36.8	30.2	33.8	40.4	25.9	19.8	31.5	32.1	19.0	
Jan 16	22.2	21.3	35.9	17.9	10.4	23.4	17.4	36.6	28.5	29.5	16.6	32.3	29.2	24.9	23.2	38.8	27.0	32.1	28.4	34.4	38.7	39.6	30.2	25.1	37.7	22.4	31.7	19.4	27.4	25.6	22.8	34.9	44.9	30.7	20.1	31.5	19.5	32.8	27.6	35.5	30.2	30.9	20.9	36.0	38.9	23.0	
Jan 17	27.2	26.9	36.3	16.3	18.9	24.2	18.9	30.7	28.7	31.2	20.5	26.2	36.6	31.4	23.2	36.3	20.3	31.4	27.9	29.6	40.2	40.8	30.0	25.4	29.0	17.8	41.5	22.0	22.5	24.4	27.3	43.3	51.6	32.6	23.4	41.8	24.6	17.1	20.1	39.7	41.3	36.5	26.8	45.0	42.8	23.2	
Jan 18	29.7	30.9	33.0	9.1	19.5	19.7	25.3	22.6	26.0	41.2	20.3	21.5	31.1	28.3	26.8	28.7	21.5	40.4	25.0	30.1	34.8	37.8	27.9	27.6	32.9	17.5	38.5	17.3	30.0	28.7	39.1	40.1	42.1	42.1	30.1	28.5	32.7	26.2	23.6	17.2	31.6	31.5	36.3	19.5	41.5	37.2	35.3
Jan 19	43.1	33.4	31.4	20.9	15.9	17.4	33.3	27.4	31.2	28.7	18.4	16.9	29.6	24.3	34.8	30.7	23.9	39.0	28.2	37.1	36.4	23.9	28.2	30.3	35.7	18.3	39.1	15.4	22.2	19.2	24.1	40.0	31.2	37.0	30.9	35.9	17.9	34.1	32.6	29.7	30.7	37.0	20.5	31.7	46.7	34.0	
Jan 20	39.8	28.4	33.9	22.5	12.2	11.1	37.6	31.5	31.6	13.7	22.4	21.2	22.6	22.4	29.4	40.6	32.8	29.6	28.5	39.9	25.6	36.7	29.8	32.5	45.8	20.3	32.9	23.8	25.7	16.2	27.3	42.2	21.3	41.3	22.3	35.3	15.6	35.7	19.4	38.6	41.1	36.9	20.5	31.4	31.9	39.5	
Jan 21	51.5	33.1	35.3	19.6	13.3	22.9	39.0	30.3	36.8	26.9	36.8	23.9	20.7	20.5	40.9	35.1	27.4	22.3	26.4	33.7	24.0	18.2	30.6	24.6	34.8	20.2	33.8	21.8	27.6	18.7	36.4	34.6	32.0	30.8	36.3	21.9	18.0	45.7	18.1	38.5	38.5	23.5	18.0	29.9	33.2	34.2	
Jan 22	40.2	26.7	37.5	17.2	23.2	22.0	34.6	39.1	37.1	29.2	35.9	24.6	14.0	20.8	32.4	29.8	33.7	32.3	26.0	41.0	22.8	25.4	30.9	28.5	43.6	19.4	39.0	28.2	21.7	33.4	30.7	31.4	35.0	39.0	28.9	18.5	19.4	41.4	32.2	38.8	44.5	35.9	26.5	26.8	37.9	38.1	
Jan 23	42.7	29.4	31.0	22.3	34.2	27.8	43.7	32.8	31.1	34.6	37.5	21.2	27.0	16.4	29.3	27.4	31.0	37.8	16.9	31.0	19.1	30.6	25.3	26.3	29.2	24.2	36.8	40.6	29.2	39.0	30.8	28.0	25.6	34.0	35.4	29.2	19.9	36.8	35.8	28.7	36.6	45.2	18.0	16.7	33.9	31.3	
Jan 24	44.0	19.2	36.3	25.1	32.6	20.6	47.4	36.3	30.1	25.5	44.8	19.5	25.3	16.1	27.9	13.5	20.9	39.0	25.5	37.7	20.9	41.7	22.7	26.1	33.0	18.8	31.1	42.3	33.5	37.0	38.5	15.5	29.8	37.0	30.0	25.6	27.9	35.9	35.0	27.1	33.2	44.5	15.8	31.5	26.9	32.0	
Jan 25	36.3	23.7	27.8	33.8	28.1	22.5	26.1	31.9	35.2	25.9	44.3	25.6	30.2	29.2	35.3	14.5	21.9	36.7	33.2	32.1	21.6	33.6	21.8	27.5	27.7	32.5	39.0	27.4	30.3	33.8	18.5	34.6	36.3	29.4	30.8	36.1	36.5	21.2	41.0	41.1	37.3	24.1	34.9	24.6	45.5		
Jan 26	38.4	19.9	24.8	30.4	38.6	17.3	25.2	30.7	37.9	42.3	43.0	26.2	29.5	17.2	38.8	22.3	18.6	34.1	48.0	30.2	33.2	37.0	38.4	28.2	28.8	13.4	29.3	42.4	17.1	37.7	28.9	26.3	40.1	36.3	23.2	24.2	30.7	28.1	24.1	47.2	36.1	35.8	42.3	40.0	26.8	42.9	
Jan 27	40.1	29.4	20.7	35.6	39.1	20.7	18.2	35.0	37.8	44.6	38.8	12.8	37.2	21.5	30.6	19.4	30.5	38.3	43.2	27.3	28.3	31.7	37.9	29.8	29.2	25.4	31.2	29.9	17.8	39.3	23.8	31.1	39.7	33.6	20.5	23.0	33.9	35.4	24.6	35.2	30.3	19.8	40.6	24.8	34.8	38.2	
Jan 28	38.6	30.9	34.1	36.2	44.8	21.3	29.0	39.1	29.7	54.2	27.9	16.8	19.9	14.9	37.3	24.4	19.5	40.2	32.7	22.3	30.3	25.2	30.4	28.4	35.1	38.6	32.4	23.9	9.7	40.7	34.0	35.1	32.6	30.8	21.1	27.1	40.1	45.6	24.8	32.4	40.7	26.6	35.8	30.3	27.3	44.3	
Jan 29	36.0	25.6	29.5	43.1	39.6																																										

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	
Mar 16	41.1	47.0	34.8	28.7	60.3	40.1	44.5	43.3	43.1	47.1	53.8	43.8	50.3	41.2	50.1	33.0	40.2	39.4	55.3	45.5	64.3	32.7	40.7	42.4	35.7	41.7	47.1	32.8	49.8	37.0	45.3	44.1	37.3	38.9	52.1	46.5	28.2	44.3	43.5	31.5	47.5	43.9	37.0	44.0	54.0	29.3	
Mar 17	32.1	47.5	38.9	28.6	45.4	40.1	39.3	48.2	44.2	52.4	47.1	42.6	54.2	36.2	41.9	39.7	51.1	41.6	43.6	39.0	53.9	34.5	36.4	35.5	41.8	35.8	51.4	29.0	57.4	38.5	51.2	52.5	37.2	46.0	47.4	51.4	37.2	47.6	30.2	35.2	58.1	37.5	42.6	48.4	51.7	28.0	
Mar 18	47.3	41.3	41.0	42.3	30.9	37.1	25.0	53.0	40.1	43.6	50.0	38.8	68.6	49.6	33.4	35.7	50.9	41.3	49.6	40.7	54.6	32.4	40.6	41.6	52.2	29.5	46.6	30.2	49.4	44.1	47.3	62.2	38.9	47.6	55.6	39.4	44.7	37.1	53.9	33.4	30.2	58.6	44.5	57.7	45.8	54.9	38.4
Mar 19	59.1	28.4	34.4	47.0	49.4	50.5	36.9	50.8	44.1	56.9	46.3	34.5	61.8	51.4	35.2	43.7	54.4	43.8	46.2	42.7	62.8	40.4	37.9	45.9	37.9	37.5	43.8	30.5	58.2	37.3	39.4	53.6	38.7	42.3	68.9	46.6	41.3	58.2	21.6	31.1	68.6	40.8	65.7	49.2	48.2	43.7	
Mar 20	47.6	31.6	38.5	45.9	47.4	49.3	27.0	53.9	47.1	54.5	43.0	45.3	46.4	53.4	44.2	43.3	49.4	36.9	55.7	45.2	54.0	34.6	43.0	42.9	39.0	26.3	33.0	27.7	56.6	36.8	41.9	43.4	46.9	39.2	50.4	53.8	37.2	39.2	29.0	26.5	66.6	41.6	56.5	51.1	49.1	37.1	
Mar 21	45.3	39.4	37.4	49.4	43.2	42.8	29.0	57.9	51.0	48.3	42.0	50.2	41.6	50.6	44.1	55.3	57.3	43.3	50.6	43.8	43.1	50.3	42.2	38.9	42.5	33.3	21.9	24.0	50.0	47.7	45.2	53.7	43.3	39.8	40.6	45.6	45.0	63.0	42.9	28.0	61.3	50.5	54.2	41.1	33.2	38.6	
Mar 22	43.4	35.5	43.9	35.9	37.1	56.0	34.6	54.5	40.1	50.1	43.4	42.3	40.3	43.3	48.7	44.5	57.5	41.0	49.4	31.7	52.3	57.5	48.1	34.6	48.5	44.4	30.0	30.3	45.1	45.7	43.1	43.2	61.1	42.5	47.7	45.3	37.3	41.6	36.2	37.7	55.5	52.1	52.7	49.3	44.4	45.9	
Mar 23	44.4	54.6	40.1	44.6	38.3	47.0	38.4	40.5	36.1	55.1	45.1	33.8	47.6	31.1	53.1	46.8	59.5	50.1	52.5	32.8	44.9	49.2	42.6	39.6	53.0	35.0	52.0	46.1	47.9	51.2	43.1	40.6	54.9	53.3	42.3	52.7	47.4	40.8	30.5	44.7	50.5	53.4	50.6	53.7	32.7	43.0	
Mar 24	54.2	61.7	49.1	34.9	38.2	49.2	47.0	34.5	46.4	43.2	53.7	35.5	44.7	35.0	52.3	61.4	62.8	37.2	37.5	28.2	47.6	47.5	51.9	35.6	54.2	38.7	51.4	41.4	42.8	50.0	38.9	34.8	53.1	61.7	48.8	46.4	47.4	49.3	28.5	41.0	47.1	51.6	47.3	42.0	46.7	44.4	
Mar 25	56.7	59.5	46.2	34.6	42.2	56.1	43.0	33.9	51.3	43.3	52.9	42.3	46.2	40.8	55.2	49.2	66.6	41.3	38.0	32.1	49.4	47.1	53.1	43.0	48.2	40.6	46.2	31.1	47.0	50.8	34.3	39.4	52.7	58.8	45.5	54.4	43.7	49.6	45.5	43.9	42.1	53.6	47.4	51.7	51.5	42.3	
Mar 26	58.5	60.7	39.6	28.6	41.4	50.9	38.0	34.5	51.6	48.9	41.0	41.7	45.6	41.0	54.0	53.9	66.9	51.7	45.4	36.4	52.9	46.5	44.1	46.1	46.8	47.6	40.2	47.1	55.7	27.2	47.5	45.9	52.0	34.4	45.7	51.9	63.7	45.4	45.2	50.6	48.9	45.6	56.9	53.8	34.4		
Mar 27	44.5	49.4	37.5	37.2	42.4	44.8	36.6	34.6	48.3	46.4	40.4	41.6	55.4	31.6	60.5	36.9	66.8	61.4	47.9	44.8	43.9	41.6	44.5	43.9	39.2	68.4	45.0	32.3	41.6	47.2	38.9	55.8	36.5	51.8	37.9	38.9	51.9	55.2	40.4	35.1	53.3	39.5	44.7	42.7	56.0	50.8	
Mar 28	52.9	53.1	27.6	41.7	36.1	42.7	42.8	40.8	55.7	37.2	43.9	41.6	57.2	43.7	66.3	35.6	62.2	53.0	42.7	43.9	41.7	40.8	43.2	39.9	45.7	49.2	71.4	39.8	32.3	51.9	54.8	45.9	49.9	34.5	51.1	47.7	32.7	45.9	53.9	46.3	32.5	64.1	41.1	37.4	52.7	42.4	52.6
Mar 29	58.1	52.0	40.0	51.5	41.3	44.7	36.6	50.1	49.0	35.4	34.6	54.0	53.7	34.0	62.5	34.9	54.1	65.8	35.1	50.5	42.9	47.2	51.9	40.7	45.1	70.6	47.5	43.3	49.2	57.4	40.4	48.0	42.3	44.2	50.3	30.6	33.0	61.7	44.5	38.4	51.8	32.6	50.5	56.8	36.9	53.1	
Mar 30	52.6	56.8	38.2	50.3	37.7	46.6	30.7	51.1	54.4	45.2	35.6	54.4	49.6	41.9	52.9	46.1	54.1	63.2	43.7	47.3	54.7	43.8	34.9	42.0	43.9	54.0	51.6	48.1	36.3	42.5	35.2	47.8	48.5	46.4	57.7	38.5	34.7	65.3	49.7	45.6	47.3	33.4	61.4	55.6	36.0	53.0	
Mar 31	48.0	49.8	41.1	40.1	38.0	35.9	45.9	53.3	44.4	49.2	37.0	51.2	49.9	46.6	54.1	39.5	49.7	66.8	40.2	41.8	49.3	43.9	33.8	45.0	37.5	62.9	50.3	46.9	41.3	54.8	29.7	34.4	37.2	27.8	52.2	24.8	24.2	58.4	45.0	40.9	52.6	24.9	66.3	46.3	30.3	50.7	
Apr 1	61.3	51.9	43.8	31.0	29.4	33.6	53.3	43.0	34.4	38.3	28.2	48.8	48.0	39.9	49.2	45.6	57.7	56.9	30.0	32.7	57.6	50.6	35.6	27.2	38.3	59.8	55.1	41.7	46.0	47.0	43.3	34.7	31.5	28.2	35.5	35.5	33.7	51.3	43.1	44.7	58.5	38.6	58.1	40.5	36.4	40.8	
Apr 2	57.1	55.7	42.2	37.7	26.4	39.1	47.1	51.1	37.7	40.3	39.4	59.7	51.4	44.6	48.6	54.8	58.3	36.6	38.2	51.8	40.0	36.6	24.0	31.7	58.9	62.3	42.3	42.6	47.3	31.9	34.3	50.5	40.1	36.8	37.3	36.8	54.5	52.1	43.8	45.2	40.6	45.4	42.5	36.9			
Apr 3	41.7	52.6	42.2	44.9	39.1	46.7	50.7	33.1	44.3	35.5	25.4	56.1	51.9	46.7	53.5	63.5	51.3	49.6	38.7	36.6	51.1	42.6	37.4	28.7	43.9	43.3	58.8	40.1	56.7	47.5	42.0	46.3	38.8	34.6	47.6	47.4	49.2	44.8	58.4	53.9	45.7	49.4	48.7	37.8	50.0	33.2	
Apr 4	40.8	43.8	42.8	37.5	37.9	58.7	50.2	41.8	42.1	37.0	35.6	46.8	40.0	48.7	51.8	57.1	56.0	51.1	35.6	37.1	45.6	31.2	36.5	29.3	37.0	50.5	57.3	37.8	47.1	55.6	43.8	55.1	40.3	35.5	43.8	47.4	39.3	44.5	59.7	63.9	41.4	43.5	48.8	37.3	45.9	43.3	
Apr 5	32.9	44.5	38.0	51.8	34.0	60.2	52.6	35.3	44.7	31.6	44.4	41.5	42.7	56.7	47.1	60.0	40.6	53.2	40.9	34.1	60.2	48.2	38.3	32.0	28.3	44.5	64.4	32.3	41.4	59.2	43.1	59.2	35.8	42.5	45.6	39.9	46.6	44.4	55.7	63.6	44.7	44.1	62.4	45.6	49.7	38.6	
Apr 6	34.9	44.6	44.2	50.3	38.0	62.1	42.9	45.0	45.7	41.6	56.5	48.3	37.4	50.6	61.3	49.3	58.9	43.7	50.3	43.3	47.9	36.6	36.5	31.1	33.2	45.2	62.5	42.3	40.5	57.6	49.9	53.6	41.3	38.2	40.9	44.1	41.7	47.7	56.9	55.2	52.1	43.8	58.2	62.6	54.6	37.8	
Apr 7	39.5	47.9	38.2	52.7	36.3	59.3	33.5	53.6	38.8	41.8	54.8	54.4	39.1	45.1	52.0	52.9	44.7	44.2	37.6	46.8	39.8	45.0	44.5	33.0	46.3	46.8	47.6	43.2	31.7	42.4	41.3	64.7	47.3	44.4	39.2	42.5	39.7	53.9	54.4	46.5	61.9	54.0	63.2	53.1	60.3	37.0	
Apr 8	26.1	45.3	45.3	52.5	31.7	54.4	36.5	41.3	42.3	49.9	46.4	46.5	45.5	39.9	54.9	55.8	43.7	48.3	39.7	54.3	36.8	46.7	35.2	37.2	37.5	37.7	53.3	49.9	42.7	53.5	43.2	63.6	39.4	40.0	39.0	51.1	51.4	48.1	55.8	42.2	57.8	47.7	49.7	59.5	56.9	43.9	
Apr 9	46.9	41.2	47.8	53.5	41.3	50.5	40.3	45.0	56.5	42.6	34.0	40.8	42.7	41.0	52.3	64.8	49.0	36.0	42.1	62.1	39.6	44.0	36.7	45.4	42.0	46.1	62.7	39.8	47.3	39.1	36.0	45.6	32.3	43.5	36.6	41.2	59.4	41.3	51.2	44.6	53.0	57.9	59.6	61.7	65.4	43.1	
Apr 10	35.7	54.6	54.3	49.7	33.2	66.0	37.4	49.8	56.9	39.0	33.3	39.8	38.7	51.6	44.8	57.5	53.7	34.2	43.4	56.0	37.8	48.3	36.5	47.1	41.5	31.9	60.5	56.7	51.4	34.4	40.2	42.9	38.4	38.1	52.5	44.8	62.0	48.5	54.1	52.8	39.7	56.3	58.8	59.9	51.3	37.2	
Apr 11	39.3	68.9	64.9	42.3	31.1	59.8	40.7	49.2	68.3	47.6	39.2	40.0	58.3	56.5	47.5	55.3	44.9	33.2	38.4	66.6	32.2	48.0	50.2	41.9	33.7	49.1	44.3	54.4	34.4	37.9	61.9	42.6	34.9	53.0	44.2	51.0	48.6	39.3	54.4	42.1	54.4	54.9	51.2	57.2	54.5		
Apr 12	45.6	62.4	40.4	43.1	45.0	49.7	34.1	51.4	59.0	52.8	53.1	49.9	64.4	64.9	48.6	49.0	40.2	37.4	54.5	54.8	29.5	55.2	45.0	46.2	38.9	31.8	54.8	56.7	58.5	37.1	47.5	58.7	43.5	40.4	52.4	48.4	49.6	57.1	39.4	56.4	52.8	59.8	55.9	62.5	57.1		

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46			
May 30	70.9	58.7	71.0	58.1	65.9	63.8	69.9	66.4	73.1	60.6	67.1	52.9	63.1	68.9	64.5	67.5	75.7	75.2	63.7	69.4	63.4	60.1	64.2	71.3	57.1	71.8	72.4	70.8	78.7	64.0	64.0	61.8	74.0	64.5	69.2	67.0	61.0	64.5	71.1	54.3	68.4	64.0	66.4	55.1	66.4	76.2			
May 31	72.4	63.3	76.2	60.3	61.4	73.4	70.1	62.2	73.1	66.4	69.4	54.1	67.2	58.7	73.3	62.0	74.3	69.1	64.7	57.4	67.4	56.0	65.9	75.9	57.9	72.8	67.3	70.9	73.9	65.6	62.6	64.0	64.5	60.5	66.9	71.2	72.6	66.6	65.7	55.9	71.2	68.6	72.8	56.2	67.5	68.5			
Jun 1	83.2	60.0	76.3	58.2	62.8	73.5	70.4	61.7	80.7	62.1	78.2	59.9	72.5	69.5	74.7	63.9	77.5	66.4	64.2	51.0	66.1	63.3	65.3	79.6	66.3	73.4	71.8	76.8	69.7	66.2	57.2	67.6	61.9	65.7	70.1	66.2	76.6	68.6	52.9	52.7	69.3	72.1	70.4	58.6	59.2	60.6			
Jun 2	73.7	56.2	76.8	61.2	67.5	69.8	68.5	69.9	77.7	69.0	78.4	62.8	70.4	70.4	74.1	65.2	70.5	69.6	60.6	57.6	65.7	67.4	66.9	81.0	71.9	73.8	69.5	66.9	62.8	66.6	60.8	63.2	59.4	71.1	69.0	71.1	77.9	67.5	57.5	49.5	72.8	68.3	66.4	61.0	59.9	58.5			
Jun 3	65.7	55.5	70.8	68.4	64.7	64.3	66.0	65.5	79.6	63.9	74.2	66.6	69.7	68.4	67.9	62.4	72.4	63.6	63.6	57.4	63.4	66.6	60.6	73.4	69.0	71.0	70.1	66.2	68.5	61.5	65.1	59.0	73.4	73.7	69.5	67.1	60.8	64.3	63.7	74.0	61.7	70.3	57.1	63.3	74.9				
Jun 4	68.5	63.5	79.6	70.2	61.8	63.1	62.9	69.5	75.9	68.1	72.9	69.8	68.7	68.4	73.1	70.2	61.9	64.9	64.4	59.3	70.6	66.1	67.9	70.5	75.4	75.8	68.0	62.9	69.8	70.2	57.8	69.2	64.3	73.9	75.2	68.8	64.5	64.3	60.0	67.1	65.3	68.6	68.0	69.3	59.9	77.7			
Jun 5	75.0	64.8	71.8	68.0	64.4	60.5	62.8	68.8	76.5	67.5	70.2	67.8	68.9	75.3	67.8	69.7	73.8	67.0	62.7	66.8	70.4	64.6	63.5	62.9	74.8	68.0	61.7	69.7	72.2	62.2	67.8	65.4	66.1	76.5	72.6	75.5	70.2	69.1	60.0	71.0	69.8	67.8	64.5	63.9	60.9	75.2			
Jun 6	74.9	66.6	67.6	68.2	64.9	66.9	66.2	72.7	81.3	70.7	58.7	67.8	69.9	75.9	65.4	72.1	73.8	68.5	59.9	72.7	69.7	72.9	62.4	64.5	60.5	69.8	67.8	59.0	76.6	69.7	62.7	73.0	71.2	76.7	70.9	71.1	60.0	61.5	68.6	68.0	70.4	70.1	72.8	66.7	63.9	67.8	72.8		
Jun 7	74.3	66.9	62.9	64.8	62.6	72.7	68.8	75.2	72.0	72.5	62.7	64.8	73.4	80.6	66.9	72.3	63.9	71.4	55.7	60.2	72.0	75.5	65.0	69.3	67.5	71.7	64.9	59.9	76.1	63.6	72.5	70.7	70.1	68.2	67.7	67.6	62.5	62.3	67.3	60.8	66.2	71.1	54.1	70.5	72.3	71.6			
Jun 8	73.8	77.8	58.9	66.7	69.8	71.2	70.0	76.5	69.2	74.6	59.0	61.3	75.4	70.9	71.6	76.6	63.3	74.0	58.6	60.9	63.6	70.0	60.9	73.7	66.2	73.7	71.6	64.7	67.4	65.9	73.1	69.9	66.3	63.3	64.2	65.0	61.7	65.5	65.9	65.2	61.6	71.6	70.3	66.8	72.3	78.3			
Jun 9	73.7	75.9	63.7	65.2	78.8	68.7	66.4	70.3	70.3	77.9	67.1	66.4	66.2	67.3	71.3	68.4	65.0	66.6	71.1	59.4	66.6	73.6	67.2	78.0	80.8	75.7	67.5	63.6	71.6	63.6	71.6	66.0	64.7	63.4	66.0	69.3	66.0	68.2	64.9	72.5	63.5	75.4	69.5	70.2	71.6	67.6			
Jun 10	71.2	68.8	59.6	63.6	77.6	68.1	74.9	68.8	62.9	74.4	74.8	66.6	64.3	64.1	72.7	72.9	54.5	69.8	72.5	62.4	71.2	76.7	63.9	80.3	63.4	74.3	71.7	65.2	76.1	64.5	71.2	70.4	63.7	64.3	71.2	76.0	71.2	58.4	68.3	60.4	65.1	74.8	71.6	73.8	72.4	69.1			
Jun 11	76.8	69.0	59.3	67.5	81.4	62.7	70.2	64.8	58.3	73.5	75.6	71.7	66.3	66.2	72.0	74.8	56.0	59.8	75.8	64.6	65.0	71.6	63.4	80.0	66.3	74.1	71.0	67.0	72.6	64.1	67.9	70.9	64.6	69.5	75.8	71.2	62.7	63.2	72.7	72.8	64.8	70.6	75.8	66.4	75.7	68.5			
Jun 12	67.5	64.7	58.6	68.8	73.7	60.9	69.6	68.2	60.8	75.9	68.8	71.1	69.3	66.1	73.7	72.4	49.9	53.7	75.0	67.9	65.3	69.0	64.2	80.0	64.9	80.1	74.9	68.6	72.2	70.4	75.8	77.5	65.6	63.6	71.6	70.1	63.7	70.3	74.7	77.1	70.1	65.7	79.8	69.5	72.3	68.9			
Jun 13	63.8	67.7	55.8	69.9	62.0	61.1	65.3	62.2	76.3	73.5	73.6	68.4	63.2	68.1	73.0	68.7	47.8	59.9	71.8	71.6	66.5	73.5	65.7	79.3	60.5	77.1	76.5	60.2	66.9	80.7	70.3	65.7	66.5	67.0	79.1	71.4	66.0	64.6	67.6	77.8	73.4	69.0	72.8	66.3	66.1	67.2			
Jun 14	64.7	64.6	60.6	72.0	64.6	69.0	67.6	62.7	75.8	78.2	73.1	66.1	72.4	68.8	79.8	69.3	61.5	66.7	70.4	69.4	69.4	75.0	63.0	75.7	68.8	79.3	76.3	63.9	69.5	76.9	67.9	65.1	65.4	73.5	78.1	79.1	69.2	68.1	71.0	76.5	69.6	65.4	75.8	64.4	63.6	68.3			
Jun 15	68.4	63.4	69.8	65.5	71.0	70.8	66.6	65.9	76.2	74.9	71.1	68.0	76.3	63.0	69.5	60.8	69.3	65.0	73.1	65.2	76.0	67.6	66.2	75.9	64.0	74.0	67.0	82.0	72.4	78.7	61.6	70.8	63.2	73.8	73.2	80.2	74.6	65.4	73.7	70.4	69.9	66.6	73.8	63.0	59.1	63.3			
Jun 16	76.2	61.4	67.3	71.1	68.9	71.2	65.4	74.2	69.9	78.1	71.3	67.8	65.8	57.9	68.6	69.1	71.2	68.2	66.5	68.5	70.7	74.9	71.3	77.8	69.1	61.4	69.0	77.7	66.3	71.2	70.0	65.0	77.0	70.3	71.5	67.2	73.6	71.4	64.9	66.0	72.4	63.8	60.5	60.6	63.6				
Jun 17	80.8	61.2	65.4	72.9	72.7	69.4	68.9	79.5	76.9	75.3	68.0	78.0	62.6	55.5	76.9	62.6	71.1	71.1	75.6	78.1	67.8	70.4	75.8	75.1	74.0	77.2	67.2	65.2	68.3	63.3	62.9	71.9	70.1	66.8	77.8	71.1	77.3	65.4	73.7	74.5	65.1	72.8	74.4	69.8	67.1	67.9			
Jun 18	70.8	67.9	67.7	66.7	67.7	69.9	73.0	80.0	77.6	78.3	74.9	78.5	65.1	57.2	72.5	70.5	61.7	68.5	72.2	79.0	65.8	72.9	74.8	74.9	69.7	73.7	66.8	78.7	77.5	73.4	61.3	63.9	68.2	66.0	71.4	75.9	84.5	62.5	65.8	77.8	66.3	74.0	74.3	74.8	68.9	69.9			
Jun 19	74.4	71.1	68.8	73.8	67.7	75.9	73.3	77.1	71.0	79.9	72.3	80.8	60.6	60.3	73.1	71.1	79.2	75.4	72.3	70.6	71.4	71.5	72.9	82.2	82.2	67.6	66.0	77.6	79.9	74.5	58.2	70.2	66.0	70.4	67.9	69.8	83.0	67.2	64.2	72.5	70.3	70.9	72.4	75.1	63.0	64.8			
Jun 20	75.5	73.7	68.9	67.9	66.5	65.4	72.8	74.9	66.5	76.6	80.6	80.1	61.1	56.7	71.8	68.8	81.6	74.4	77.1	78.8	67.9	63.4	73.5	72.1	72.7	66.8	71.4	77.2	66.8	71.4	77.2	76.7	66.5	60.6	65.8	61.3	71.2	62.3	70.1	80.3	67.0	64.8	70.7	75.9	68.9	73.1	73.7	70.7	66.1
Jun 21	76.5	77.7	73.5	61.0	68.0	67.2	71.6	75.9	69.0	80.8	70.0	79.4	69.8	63.8	75.5	63.8	79.5	73.4	70.4	84.6	69.2	64.4	78.9	74.4	78.2	77.5	74.7	74.5	74.3	64.4	63.9	64.4	65.3	64.4	55.5	66.7	84.1	70.6	65.0	66.0	71.0	70.7	77.7	74.5	62.3	69.3			
Jun 22	74.7	74.9	73.6	72.9	71.7	64.5	73.0	69.0	68.6	81.0	73.9	79.2	63.7	57.2	73.4	67.1	76.6	77.0	67.8	80.5	73.5	61.3	76.9	70.7	73.2	73.8	74.6	81.8	73.4	63.4	64.8	69.4	67.6	71.2	58.8	73.6	84.2	66.6	69.5	72.0	67.2	69.1	76.5	73.0	71.8	76.5			
Jun 23	76.1	67.0	65.1	76.5	70.8	68.6	72.3	80.7	71.3	71.6	75.3	68.5	68.2	62.1	71.9	63.2	79.0	75.1	67.4	64.6	71.3	67.1	72.3	77.0	68.9	74.2	72.5	79.5	72.6	68.7	68.5	68.0	68.5	69.1	57.1	71.9	80.9	63.5	74.4	70.0	69.4	65.5	73.3	72.9	77.0				
Jun 24	76.1	73.5	63.8	72.4	67.7	67.5	74.7	78.4	63.7	70.1	75.7	74.8	66.2	61.0	72.1	66.9	70.7	76.5	70.9	75.1	71.2	66.4	71.5	80.4	72.3	72.4	70.7	79.3	80.6	64.6	70.9	70.9	72.4	69.0	56.8	74.0	82.3	71.2	71.8	67.7	63.1	69.1	69.4	79.5	66.2	75.1			
Jun 25	78.4	68.6	76.5	75.1	64.2	73.7	78.7	68.8	68.7	72.2	75.2	79.4	67.6	60.2	76.0	71.1	68.2	72.3	71.9	68.5	70.0	67.7	73.5	74.6	73.6	74.4	75.0	75.2	81.0	69.1	70.4	69.8	67.0	71.5	69.6	72.2	82.3	74.3	72.3	71.8	68.6	63.9	73.6	78.8	60.3	75.6			
Jun 26	74.1	65.0	75.9	76.4	67.0	74.0	74.6	75.8	73.2	78.4	74.0	77.2	73.0	69.1	74.3	71.5	70.7	69.1	66.3	71.5	77.1	62.8	70.4	77.6	71.4	73.9	79.4	74.0	70.9	69.5	75.4	71.8	71.9	71.0	70.7	70.6	78.3	77.8	70.3	67.3	70.5	63.5	73.9</						

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

Table with 48 columns (YEAR, 1-46) and 48 rows (Aug 13, Aug 14, Aug 15, Aug 16, Aug 17, Aug 18, Aug 19, Aug 20, Aug 21, Aug 22, Aug 23, Aug 24, Aug 25, Aug 26, Aug 27, Aug 28, Aug 29, Aug 30, Aug 31, Sep 1, Sep 2, Sep 3, Sep 4, Sep 5, Sep 6, Sep 7, Sep 8, Sep 9, Sep 10, Sep 11, Sep 12, Sep 13, Sep 14, Sep 15, Sep 16, Sep 17, Sep 18, Sep 19, Sep 20, Sep 21, Sep 22, Sep 23, Sep 24, Sep 25, Sep 26, Sep 27, Sep 28, Sep 29, Sep 30, Oct 1, Oct 2, Oct 3, Oct 4, Oct 5, Oct 6, Oct 7, Oct 8, Oct 9, Oct 10, Oct 11, Oct 12, Oct 13, Oct 14, Oct 15, Oct 16, Oct 17, Oct 18, Oct 19, Oct 20, Oct 21, Oct 22, Oct 23, Oct 24, Oct 25, Oct 26) containing temperature data.

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46		
Oct 27	45.1	47.6	47.9	44.9	43.3	32.6	29.0	36.7	44.8	29.5	48.3	33.5	54.4	47.2	48.2	55.6	31.2	41.1	47.4	65.4	56.4	42.2	60.7	38.0	27.1	37.7	55.8	46.9	52.9	49.1	50.3	31.6	33.6	45.1	46.4	35.2	48.7	48.7	47.7	54.1	33.2	55.0	61.5	47.7	40.6	35.9		
Oct 28	51.5	40.8	48.2	39.6	40.7	33.0	24.8	35.8	50.1	35.1	40.6	31.9	54.3	44.8	51.1	55.0	38.9	49.2	40.8	62.9	55.5	52.3	47.0	52.3	35.2	44.4	58.5	49.7	46.8	51.8	49.6	28.8	36.8	42.1	42.2	42.2	54.0	51.0	50.8	46.6	31.1	48.9	58.3	44.1	48.3	41.7		
Oct 29	46.8	38.8	48.6	46.6	39.9	41.7	28.1	28.1	53.1	41.4	36.0	38.3	50.4	35.7	61.4	53.0	46.9	49.1	43.2	62.4	52.6	47.0	45.6	48.0	45.1	45.8	42.9	57.4	51.9	43.7	51.5	51.9	37.0	26.7	38.9	43.6	44.1	56.6	40.7	45.9	41.8	35.6	51.1	50.2	54.2	56.1	46.7	
Oct 30	54.2	41.4	46.6	36.9	41.8	33.6	27.1	38.2	56.7	43.9	37.7	41.4	51.9	39.7	52.5	44.5	39.5	48.9	36.6	56.0	55.6	58.7	48.4	45.0	43.3	48.1	67.7	40.3	33.7	37.8	49.1	44.2	27.6	30.6	36.7	44.1	59.6	42.6	50.6	49.6	27.4	59.2	54.2	35.2	48.7	41.4		
Oct 31	54.5	37.1	51.1	33.3	45.2	40.5	29.6	39.8	56.7	44.8	42.8	37.2	45.6	43.2	38.9	38.1	42.9	46.3	43.6	62.9	48.4	42.4	51.2	41.5	48.3	52.3	60.5	34.6	27.8	33.2	47.7	46.0	30.2	29.8	41.6	39.7	39.9	41.1	43.5	59.6	25.7	54.5	37.7	38.1	39.9			
Nov 1	47.9	36.2	44.1	31.4	46.3	44.8	29.4	39.9	35.3	37.9	53.3	40.2	41.9	39.4	32.3	48.7	37.8	49.9	41.6	47.8	47.5	46.7	50.4	29.2	47.1	53.6	60.1	32.5	27.2	48.8	45.6	48.9	30.8	43.0	39.8	39.5	40.4	52.4	45.3	43.6	28.0	38.9	40.1	20.9	61.8	46.4		
Nov 2	48.3	38.4	44.1	37.5	52.5	42.5	31.7	32.0	41.6	34.2	45.7	44.6	43.6	36.4	38.1	40.2	37.9	44.0	43.1	34.2	53.3	36.4	47.2	35.4	43.9	49.6	49.9	32.3	29.9	50.0	37.7	53.8	24.6	44.5	38.8	37.6	36.7	51.0	41.7	44.0	26.6	28.7	39.9	26.7	59.7	53.3		
Nov 3	53.5	47.7	37.2	53.4	47.0	45.6	35.3	22.0	41.3	39.6	53.4	42.1	41.7	36.2	53.0	33.1	52.8	43.5	53.2	31.8	43.6	36.8	44.5	33.0	48.7	34.0	45.9	29.9	40.9	46.3	37.6	55.0	17.3	52.1	56.4	37.6	32.9	44.8	38.8	41.1	23.0	29.0	34.6	30.9	65.9	54.7		
Nov 4	49.6	46.5	45.4	46.2	48.5	47.3	32.2	39.4	32.0	47.4	56.0	43.3	45.4	30.5	45.7	28.2	53.1	41.9	43.1	27.6	40.1	36.0	38.3	38.7	42.3	38.3	44.9	39.7	38.2	40.6	33.7	54.1	12.9	55.6	48.5	37.6	38.0	38.8	39.7	45.0	37.5	39.1	38.1	38.7	62.6	39.6		
Nov 5	47.7	46.7	50.0	52.9	34.4	50.1	34.7	34.8	29.2	45.9	57.1	47.2	46.6	20.1	31.1	29.1	48.0	44.1	46.7	29.5	38.4	28.2	40.4	37.7	46.9	40.4	37.9	40.2	34.7	34.4	31.1	61.8	16.6	49.8	42.1	40.4	33.0	46.6	37.1	41.8	30.2	39.5	46.1	38.3	52.7	38.0		
Nov 6	50.1	43.5	62.2	47.2	34.2	49.8	28.7	41.2	36.7	47.9	34.4	58.5	41.1	37.1	48.0	22.8	41.1	51.2	46.2	35.3	41.5	28.3	39.8	34.6	41.8	46.2	43.6	33.6	29.7	32.7	38.3	56.8	26.1	41.4	45.9	38.6	42.2	49.5	38.0	55.6	30.4	40.2	42.2	38.4	49.2	36.3		
Nov 7	53.2	42.1	44.0	52.7	29.5	51.0	36.5	49.1	43.8	39.3	49.5	56.3	36.7	38.6	45.2	27.7	41.1	44.3	46.1	29.5	45.1	27.6	44.6	35.3	32.4	53.2	28.4	37.5	23.8	36.9	39.8	47.5	33.0	43.2	38.9	31.6	50.9	40.7	44.3	49.9	44.7	39.9	45.7	49.6	57.4	39.6		
Nov 8	55.2	26.1	32.1	57.0	31.5	46.2	33.4	41.2	42.3	30.7	45.5	64.3	36.7	31.2	45.2	27.5	32.0	41.1	38.2	26.7	40.6	32.5	45.2	37.6	37.2	52.2	24.4	20.2	19.1	39.6	40.4	54.8	23.8	47.2	37.1	30.8	50.5	45.0	41.7	47.0	34.5	43.6	57.4	47.9	54.0	30.2		
Nov 9	58.1	42.2	31.5	61.3	32.2	45.8	35.5	36.8	31.8	27.5	46.1	56.5	37.6	39.6	29.3	34.7	42.7	44.0	40.0	23.6	34.3	39.3	36.3	43.5	30.7	51.5	21.2	21.7	30.2	41.9	44.7	44.1	38.3	34.3	45.5	36.5	46.5	50.3	43.5	53.9	38.0	46.3	56.1	47.6	54.7	17.1		
Nov 10	58.7	44.2	35.6	51.9	34.5	44.4	29.7	48.4	35.3	31.5	42.8	49.3	39.2	33.9	32.3	33.7	30.6	46.4	29.5	25.8	33.8	50.2	35.4	47.1	29.7	41.0	23.5	33.3	31.8	31.2	46.2	51.3	38.3	30.7	37.8	42.9	38.8	34.6	50.6	48.7	47.9	38.9	28.4	41.1	48.9	43.9	58.9	30.5
Nov 11	56.2	38.3	43.8	45.3	35.0	39.5	37.4	37.8	29.2	32.3	43.8	52.5	43.2	27.8	43.5	27.3	27.5	46.1	35.2	23.1	31.9	41.2	28.2	45.1	36.4	22.9	23.2	32.2	36.9	34.2	47.6	30.6	31.2	30.9	43.5	35.9	37.9	56.0	40.9	43.4	23.4	46.5	51.2	38.5	47.7	36.9		
Nov 12	46.0	25.5	46.9	55.3	38.8	38.1	48.9	37.5	35.1	27.3	43.0	54.8	48.5	31.4	47.8	37.1	29.5	44.9	35.4	28.7	34.5	45.7	26.8	42.8	46.7	30.1	29.0	27.4	42.1	32.9	55.9	36.9	33.9	47.1	42.5	24.7	35.5	41.0	33.8	35.3	34.1	41.7	54.2	35.4	41.1	32.2		
Nov 13	41.0	31.7	35.4	45.6	44.7	43.7	45.1	45.0	34.5	21.6	33.0	49.6	52.9	30.7	51.0	51.3	30.4	50.3	37.1	20.5	43.7	37.3	42.9	44.2	51.1	34.1	48.7	21.7	42.1	30.9	46.4	44.3	33.9	41.2	27.7	29.0	27.3	39.8	29.1	42.4	42.6	33.0	37.2	31.2	39.5	31.4		
Nov 14	56.3	42.0	41.1	36.1	44.6	47.7	48.9	50.7	37.9	29.8	38.9	45.5	28.7	37.1	37.2	54.9	32.1	47.1	38.3	23.3	40.8	41.6	41.7	31.4	56.2	25.1	39.0	32.7	33.0	41.6	46.3	43.0	24.5	50.4	23.7	31.2	34.2	27.1	21.3	35.8	47.7	40.3	36.1	42.6	43.6	38.4		
Nov 15	54.9	44.9	43.7	37.4	45.4	36.8	45.2	50.3	50.3	25.7	39.9	51.9	32.7	28.7	29.2	57.3	32.9	41.9	42.6	37.0	25.2	30.0	31.8	36.7	30.0	31.8	46.8	36.2	30.1	41.8	41.8	35.8	36.1	39.1	30.5	30.6	38.9	22.4	18.5	28.1	34.4	26.4	27.9	39.7	34.3	28.5		
Nov 16	48.5	39.3	53.1	27.9	47.3	47.4	36.3	40.8	41.9	43.3	36.6	34.4	31.7	23.1	18.9	66.0	27.7	27.1	29.7	48.3	42.8	46.3	42.8	17.7	29.1	20.8	40.8	36.6	30.7	31.0	34.3	28.2	35.7	27.2	34.2	31.9	37.2	37.0	29.2	26.7	27.3	33.4	34.4	23.7	38.9	50.3	36.8	
Nov 17	37.7	39.5	44.7	22.1	54.9	45.0	31.9	26.3	34.7	34.5	40.6	42.8	28.5	18.3	25.8	63.5	36.7	32.3	31.2	43.4	43.2	48.8	34.2	30.3	26.1	46.5	39.1	38.2	23.8	30.5	30.3	37.0	33.1	37.5	40.8	42.7	47.1	35.0	31.6	22.8	33.9	43.8	28.9	51.3	48.1	28.8		
Nov 18	45.1	37.8	41.1	31.4	47.4	43.6	37.1	30.8	37.7	28.3	44.1	38.1	27.2	27.7	25.8	47.0	24.6	37.7	34.4	38.3	38.8	44.3	34.5	31.9	28.8	34.8	45.8	34.9	37.1	24.7	21.2	37.0	27.5	33.7	35.4	45.0	56.3	33.8	32.3	20.7	36.1	34.5	33.1	35.8	46.1	28.8		
Nov 19	45.6	42.3	39.8	32.1	54.5	42.3	37.5	36.2	34.3	30.7	41.4	34.3	28.5	25.3	36.6	36.0	23.2	47.3	38.7	49.6	34.2	38.8	45.4	39.1	31.1	39.4	47.6	30.1	31.3	18.1	23.3	30.8	31.3	42.3	33.1	43.8	62.7	33.8	26.3	31.7	25.9	29.4	29.4	26.3	38.2	31.6		
Nov 20	34.0	40.2	38.8	35.2	51.9	38.4	37.5	35.1	41.4	29.1	43.3	46.5	40.5	16.1	43.0	29.7	26.9	54.0	28.2	44.4	37.3	34.9	36.6	44.0	39.3	35.9	40.7	32.9	30.0	36.1	33.2	35.7	27.3	39.9	34.2	42.9	50.4	32.4	26.8	39.6	24.8	37.4	38.6	27.8	37.8	39.1		
Nov 21	32.8	42.3	23.2	45.0	43.9	33.7	41.3	43.3	43.4	30.1	36.9	40.1	34.6	14.6	40.0	37.8	21.2	45.0	34.3	53.3	42.5	33.1	35.6	35.6	46.4	34.8	38.7	34.9	26.9	32.2	35.1	45.0	21.9	27.6	42.6	49.5	51.5	43.3	39.9	44.7	40.2	28.0	49.1	20.9	43.9	42.3		
Nov 22	23.8	28.7	32.7	38.2	44.3	27.8	38.3	47.5	39.0	34.1	40.0	45.2	34.8	23.9	37.3	25.9	12.6	39.3	23.3	50.6	44.0	42.9	48.2	40.4	48.1	41.5	33.9	36.8	37.1	36.7	46.2	35.6	33.9	42.7	28.9	39.0	47.0	34.4	32.6	40.2	18.5	39.1	15.4	29.0	35.8			
Nov 23	29.9	21.9	23.6	35.5	49.6	31.2	50.2	41.6	44.6	41.7	38.8	42.5	21.8	40.9	37.4	23.0	24.8	43.0	27.4	45.2	46.7	36.8	43.9	44.3	56.3	29.3	49.6	34.5	34.6	36.9	32.9	29.0	35.9	45.1	18.3	37.5	34.9	31.5	26.2	41.9	32.7	20						

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR-->	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	
Jan 1	32.7	31.2	15.5	37.2	21.8	30.5	30.7	24.5	31.2	35.9	28.7	34.6	37.1	23.2	20.1	38.3	43.1	26.3	23.6	25.7	37.2	32.3	29.5	23.8	30.4	17.6	20.8	27.0	37.2	21.8	28.5	38.7	30.1	25.4	23.9	25.6	35.0	49.0	33.4	18.6	26.9	16.6	35.4	41.2	22.8	16.3	
Jan 2	33.3	26.3	21.3	34.5	36.5	29.7	27.4	26.0	26.5	30.1	26.1	27.0	39.5	29.8	17.6	31.5	46.5	24.9	28.7	33.8	41.5	25.7	26.6	16.5	31.8	27.0	29.9	28.0	32.0	15.5	26.1	41.5	20.6	30.6	28.3	38.1	32.0	47.7	33.0	19.1	24.5	33.1	25.8	42.0	32.9	16.8	
Jan 3	36.6	28.0	27.5	31.9	33.9	37.8	31.0	32.2	28.2	16.8	25.6	24.0	32.5	28.2	18.8	20.9	47.8	31.5	28.9	39.0	35.3	27.8	33.9	24.3	36.9	26.9	20.4	28.3	34.4	19.0	33.8	36.4	31.4	34.2	28.9	34.2	26.1	52.1	39.5	24.0	39.8	35.3	23.8	40.5	32.2	28.3	
Jan 4	36.1	41.5	15.6	29.8	31.6	28.3	35.9	37.9	34.1	20.9	22.5	25.0	34.2	24.7	28.6	33.7	35.4	35.0	19.9	33.2	37.9	28.4	38.3	32.6	32.2	29.6	17.1	29.9	40.2	26.3	44.0	38.9	28.8	39.4	30.7	18.7	30.2	40.0	33.4	19.1	33.4	34.2	34.4	26.6	36.9	27.5	
Jan 5	35.0	42.1	18.4	31.8	32.0	38.5	28.8	31.8	28.6	26.0	35.4	19.1	27.1	28.1	22.4	25.9	35.3	38.5	24.8	34.6	37.5	23.8	26.6	21.5	27.9	37.9	22.8	24.4	39.9	22.9	37.3	39.0	32.3	37.2	24.8	17.5	27.3	32.2	30.0	22.8	31.9	36.1	35.5	27.6	32.1	32.6	
Jan 6	38.6	44.4	8.2	34.8	34.1	41.5	35.1	30.9	25.3	30.9	20.5	21.6	26.6	22.2	25.7	25.6	41.0	23.9	25.7	38.7	29.1	27.3	19.4	24.7	35.6	22.3	21.5	42.9	21.5	26.7	42.7	37.8	30.2	19.0	15.0	16.6	25.2	32.0	22.4	37.3	32.2	41.1	29.6	29.2	27.5		
Jan 7	26.8	35.1	8.9	18.5	37.4	41.2	32.7	31.2	27.0	16.1	23.3	23.6	26.5	18.2	27.1	34.1	19.0	41.6	36.7	22.0	36.1	22.6	27.4	23.3	22.1	39.8	25.7	28.8	29.2	28.6	32.7	37.0	27.8	32.2	19.6	11.6	16.8	26.5	22.6	20.1	40.2	27.9	34.8	29.4	31.4	32.8	
Jan 8	34.5	25.8	16.7	16.6	34.5	31.9	33.1	30.9	25.9	25.9	31.7	23.6	35.0	21.5	21.6	28.6	16.5	39.2	31.3	22.6	34.5	23.1	29.2	19.5	30.0	28.8	25.2	30.3	23.3	29.6	28.8	28.7	31.0	34.0	21.5	14.4	19.5	35.0	17.1	27.1	31.0	33.9	30.1	25.7	16.4	25.2	
Jan 9	41.7	26.0	30.6	23.4	35.2	37.9	27.4	29.0	26.6	19.5	29.2	21.1	28.8	21.4	21.7	23.2	17.0	29.9	33.4	20.6	40.5	23.4	30.8	22.8	25.0	38.1	23.8	29.5	20.7	28.3	31.7	19.6	25.7	33.8	21.9	14.8	27.5	35.1	25.1	23.5	34.0	23.7	31.7	26.1	13.6	41.5	
Jan 10	28.3	21.0	23.7	22.2	39.1	34.7	31.3	25.1	28.6	29.6	33.0	22.9	26.6	34.6	17.0	25.8	18.9	28.7	36.6	31.1	29.0	23.3	26.2	34.3	24.5	42.0	16.3	28.3	20.3	22.3	22.8	26.1	22.7	35.4	24.4	8.2	14.9	32.4	35.4	29.1	39.9	29.0	30.0	33.4	19.5	39.8	
Jan 11	28.9	33.0	30.8	28.3	40.3	27.3	36.3	26.5	21.3	33.6	41.0	29.5	28.1	33.4	18.0	25.0	10.9	28.6	34.4	32.6	27.7	24.2	23.1	43.2	20.1	33.7	26.3	26.1	29.3	29.4	24.7	20.5	28.8	32.5	13.8	8.8	19.8	31.7	33.4	34.9	28.3	30.3	34.5	39.4	19.8	31.2	
Jan 12	38.8	30.1	35.8	20.2	40.4	40.2	42.7	26.8	24.4	40.6	37.6	37.7	26.8	32.8	24.4	27.0	24.5	22.0	37.8	38.2	31.4	22.2	34.0	35.9	13.8	31.5	26.4	30.4	25.7	19.9	26.2	17.0	25.7	24.5	24.8	19.9	26.2	33.4	30.2	23.7	38.6	35.2	31.0	38.5	28.0	27.2	
Jan 13	37.0	26.1	36.2	14.4	34.9	27.2	28.2	14.0	17.4	43.1	36.5	24.5	17.9	31.4	19.6	39.6	32.5	31.0	34.9	37.5	37.3	28.2	32.9	46.8	25.1	39.1	26.4	32.3	23.6	23.0	31.5	15.2	24.5	22.5	27.4	19.2	30.1	36.7	36.0	30.3	31.3	31.3	26.6	40.8	23.6	37.7	
Jan 14	31.1	20.2	30.4	21.6	25.1	33.2	42.2	20.2	27.5	38.2	29.1	32.0	32.1	35.8	16.1	27.4	30.9	39.4	37.8	28.9	39.8	41.6	26.4	40.3	16.4	43.5	20.3	24.0	26.4	23.7	28.0	19.0	23.3	30.8	32.5	28.6	31.0	45.0	37.8	19.9	27.0	25.5	24.5	26.9	33.4		
Jan 15	22.1	26.2	28.7	14.5	18.9	34.4	23.3	28.6	22.9	33.5	37.3	34.8	33.1	35.6	20.3	29.3	30.4	31.6	41.4	36.1	30.5	36.5	38.6	43.0	16.8	39.8	28.7	29.8	24.4	26.4	31.5	33.7	33.6	30.4	20.4	23.8	31.5	44.5	16.0	27.1	31.5	18.8	39.4	25.5	37.5		
Jan 16	21.2	27.8	26.2	20.5	20.6	35.9	32.0	32.8	14.2	36.7	34.3	38.9	22.8	35.7	24.8	41.6	22.3	36.1	27.2	30.3	26.3	30.3	38.7	42.5	25.3	35.5	35.8	22.8	34.2	26.7	35.2	40.2	30.6	34.0	22.5	20.1	18.3	34.0	43.6	11.6	23.8	18.8	27.8	27.0	20.9	28.9	
Jan 17	14.9	32.9	30.2	25.8	17.8	37.9	32.0	32.6	21.9	23.7	39.3	32.5	22.0	28.4	42.6	40.7	33.1	35.8	30.9	19.7	29.6	24.5	40.9	45.1	31.0	32.5	29.9	26.0	35.2	31.2	38.9	44.6	31.2	47.7	27.3	20.0	20.9	24.7	31.4	29.8	28.2	20.9	31.6	18.0	21.5		
Jan 18	9.4	34.6	28.5	26.6	25.8	39.5	33.3	33.5	22.0	23.4	46.7	32.5	20.7	26.7	34.7	33.8	30.9	29.6	29.2	21.2	32.4	35.2	28.0	31.8	27.2	39.6	41.2	21.7	28.1	29.0	34.9	44.6	31.5	33.6	36.3	13.4	31.1	30.8	26.6	30.8	27.7	15.0	22.1	30.3	24.6	20.9	
Jan 19	22.2	34.8	26.3	31.9	19.0	26.2	28.7	38.3	26.8	27.2	44.6	36.7	34.3	29.5	19.1	37.0	26.8	25.0	32.7	21.4	19.2	35.8	24.0	29.9	23.1	25.6	37.4	24.5	25.7	23.5	30.3	28.2	28.7	36.4	25.8	22.4	23.7	22.2	14.0	21.6	34.3	31.6	17.4	24.8	24.9	22.4	
Jan 20	16.5	23.9	30.4	37.2	20.1	19.2	24.9	40.9	32.3	26.4	43.2	40.8	34.9	30.5	26.0	33.6	28.9	10.2	32.4	28.4	18.4	33.2	24.0	29.0	23.5	27.0	35.1	24.1	22.9	25.4	32.3	34.3	28.6	35.3	29.6	37.5	22.4	28.5	29.0	18.7	27.3	33.6	25.3	21.9	22.5	28.8	26.5
Jan 21	23.0	18.7	30.2	31.9	8.9	28.5	31.5	35.9	29.6	25.5	33.6	20.1	39.4	20.5	26.2	33.4	33.6	13.8	35.5	33.2	17.9	19.3	33.0	23.0	18.4	21.3	35.5	15.6	33.1	32.1	32.0	25.7	40.7	25.3	26.4	27.5	32.6	22.8	23.4	22.9	33.7	26.1	24.8	26.7	24.6	32.3	
Jan 22	17.9	20.8	39.3	36.0	10.1	32.3	33.3	34.7	28.0	26.5	32.9	33.2	30.8	24.6	27.6	35.1	35.7	25.8	35.6	33.6	16.4	22.4	29.1	28.5	30.3	29.6	38.4	26.8	35.3	34.9	19.0	23.5	42.5	29.9	28.1	17.0	34.3	15.7	20.2	18.9	29.3	21.5	33.2	33.3	28.5	35.3	
Jan 23	21.3	18.8	47.9	34.3	21.7	29.9	19.3	40.4	32.2	31.4	25.0	31.2	32.8	27.8	23.9	36.9	22.0	29.4	32.6	30.8	21.9	18.5	38.3	36.9	30.9	35.0	30.9	30.0	30.7	33.9	29.6	22.9	36.0	32.8	30.8	17.3	25.8	26.7	29.8	24.2	29.8	16.2	38.2	43.5	35.9	27.6	
Jan 24	23.6	19.9	42.4	24.5	25.0	33.3	30.6	34.4	26.8	24.5	19.0	24.8	22.3	20.7	22.3	27.3	25.7	29.3	41.0	38.1	10.7	26.6	36.7	45.0	33.1	35.6	20.4	29.0	32.0	31.6	31.1	25.8	31.6	44.7	29.8	18.8	17.4	20.3	33.6	23.9	28.7	15.4	30.8	35.0	36.0	28.4	
Jan 25	35.5	30.8	38.3	29.2	20.6	34.1	20.6	39.7	21.4	35.3	22.7	23.5	16.1	20.1	39.3	30.8	21.7	32.7	49.9	31.3	23.6	23.2	33.8	26.8	16.4	19.6	28.8	34.1	39.4	27.5	25.8	39.9	44.6	31.4	9.6	25.6	21.0	20.9	24.7	21.4	32.6	30.7	31.9	31.1			
Jan 26	35.0	40.8	31.8	35.0	16.9	23.9	19.2	31.3	13.1	40.7	28.6	26.4	20.5	14.6	45.3	35.5	28.3	25.8	44.0	29.2	26.5	17.3	21.6	37.6	27.9	40.0	12.1	15.4	29.5	33.0	41.0	29.1	22.1	25.4	30.4	24.2	28.7	29.7	30.3	32.8	21.6	17.9	37.0	29.4	40.8	16.6	
Jan 27	31.3	37.3	26.0	29.0	24.0	26.0	22.5	23.4	15.1	25.2	29.4	27.2	16.3	18.4	46.8	30.5	24.8	30.9	45.0	20.3	22.8	25.0	25.5	38.1	43.9	33.8	14.4	12.5	32.8	35.7	35.7	31.1	24.5	25.3	29.3	21.1	25.6	35.6	30.5	32.0	23.6	40.3	17.3	46.6	12.1		
Jan 28	26.3	41.6	27.3	26.2	29.5	32.8	20.1	34.0	17.5	22.6	33.8	27.7	13.8	26.6	32.5	32.4	14.7	26.0	29.8	24.7	18.6	13.2	21.7	39.9	29.5	34.4	13.8	17.1	41.7	26.7	37.3	31.1	32.2	25.0	29.9	19.2	27.0	24.2	23.0	35.3	24.6	19.9	37.2	28.5	31.7	17.8	
Jan 29	25.1</																																														

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	
Mar 16	36.7	35.3	34.9	45.8	37.4	48.4	34.9	42.8	37.0	44.5	32.2	34.8	62.1	35.0	50.0	36.6	57.9	38.1	23.5	32.9	46.0	38.5	38.0	36.4	44.5	55.5	26.6	39.1	38.8	38.6	39.0	42.5	51.4	35.7	36.9	49.6	39.6	36.2	43.4	37.2	44.7	25.5	55.7	40.2	41.2	30.7	
Mar 17	38.7	23.8	51.9	37.0	37.6	51.8	28.2	48.2	43.6	53.0	34.0	39.1	59.0	26.7	47.8	44.1	56.5	24.1	43.0	35.8	35.8	40.5	42.6	32.0	49.7	41.7	32.4	48.4	37.5	30.3	38.5	51.7	52.1	38.9	56.5	51.4	39.0	33.3	46.1	39.2	34.2	33.3	53.2	42.6	50.3	43.8	
Mar 18	41.5	30.8	46.9	34.9	44.5	52.6	28.1	39.3	43.6	44.1	33.9	43.1	55.1	33.3	46.3	46.1	49.0	31.3	40.5	42.3	36.1	40.7	36.6	31.8	40.9	46.7	33.2	42.3	31.8	27.2	47.8	53.9	57.1	35.7	62.9	55.2	37.5	37.8	38.4	32.3	40.0	44.9	54.9	46.0	43.1	37.5	
Mar 19	43.2	36.9	49.9	38.1	33.8	53.7	32.5	53.6	55.1	51.8	40.6	34.4	54.8	42.0	51.9	52.6	38.5	23.9	48.0	42.7	27.8	41.6	41.7	45.3	44.5	44.6	49.5	43.5	31.7	30.0	55.8	53.6	50.8	42.5	57.1	45.3	38.3	42.4	38.6	24.7	29.5	45.3	64.9	40.2	47.4	36.2	
Mar 20	42.4	51.3	41.2	33.8	38.2	59.7	27.2	52.0	38.2	38.3	38.5	29.7	39.8	29.6	49.8	57.6	45.3	34.7	40.7	50.9	32.2	39.0	55.5	47.4	37.4	43.7	59.9	55.0	27.8	34.5	52.7	44.6	42.5	37.7	45.8	38.7	44.7	30.9	37.8	36.7	38.6	39.6	64.3	39.6	37.7	37.7	
Mar 21	43.1	43.0	27.7	37.1	37.0	50.5	39.8	56.6	51.5	31.6	45.3	27.1	45.4	42.3	47.6	37.2	47.0	39.3	42.0	57.5	31.8	35.2	58.9	42.9	36.9	54.3	57.4	38.8	25.4	41.6	43.8	44.5	53.1	39.5	48.1	40.6	34.8	32.8	27.0	32.2	39.1	33.2	63.7	47.6	39.9	29.9	
Mar 22	43.4	34.9	30.8	44.6	45.1	59.2	37.6	49.8	55.4	45.1	47.2	28.8	51.7	49.1	34.2	44.6	32.9	36.2	49.4	40.0	47.7	39.2	53.7	43.9	41.5	48.0	51.5	41.3	37.6	38.4	46.4	49.0	46.9	36.4	53.8	47.7	38.3	52.4	32.4	36.2	40.9	48.0	56.7	48.5	31.8	32.2	
Mar 23	44.0	36.4	32.9	44.6	43.3	55.8	34.2	57.9	37.5	41.1	31.4	33.3	53.9	49.5	38.6	44.5	34.7	43.7	46.8	53.4	51.2	42.6	47.1	49.6	34.8	47.2	51.4	44.5	39.3	28.6	54.0	53.4	43.5	43.2	48.9	42.6	43.8	58.9	33.4	45.6	41.9	58.1	53.0	54.8	42.5	37.0	
Mar 24	49.8	45.2	26.4	48.5	30.5	47.5	32.6	51.8	33.1	42.6	38.4	29.8	53.8	49.8	43.5	45.6	41.5	53.4	47.4	37.7	61.4	27.4	52.1	41.3	40.8	50.4	50.4	42.1	45.5	30.0	62.1	45.0	35.4	54.4	47.1	46.9	38.2	48.5	36.5	42.0	45.3	56.3	44.5	43.4	53.4	35.7	
Mar 25	48.7	33.4	28.8	39.5	35.1	52.2	46.8	56.5	22.9	48.0	37.8	39.5	61.0	31.7	42.5	35.7	44.6	49.0	36.9	50.0	60.5	31.2	37.7	46.6	50.6	63.4	47.8	49.8	43.5	30.3	58.7	50.8	31.6	51.5	43.2	50.9	43.7	58.9	40.5	38.8	39.2	54.1	46.2	50.6	51.1	34.8	
Mar 26	52.9	31.2	39.6	29.5	40.8	47.0	40.6	47.4	21.8	48.1	33.5	42.2	54.9	33.6	44.0	38.7	39.8	50.5	48.0	54.7	54.9	36.4	40.6	47.5	57.0	53.6	43.2	47.0	44.6	30.2	54.2	39.3	35.1	56.2	60.9	44.6	47.0	57.2	39.8	44.2	36.6	56.2	56.1	50.6	52.5	42.9	
Mar 27	58.8	38.7	39.2	37.0	51.7	57.3	48.8	44.7	35.6	32.8	32.0	43.7	53.5	37.6	43.5	41.5	37.0	37.3	49.8	60.8	47.8	40.7	37.3	51.5	40.7	50.4	40.2	36.1	34.0	31.7	58.5	40.0	48.0	53.3	67.1	57.0	57.4	54.9	42.4	41.0	38.8	40.0	44.2	61.2	63.0	39.8	
Mar 28	42.0	53.1	43.5	43.1	47.1	45.0	43.7	50.1	46.6	38.3	34.2	39.9	47.6	34.8	52.1	42.7	42.7	37.3	59.8	61.5	50.8	37.9	44.2	55.5	55.9	41.9	31.4	50.5	43.4	27.1	48.4	43.4	43.4	58.6	60.2	52.4	47.5	38.0	53.8	36.6	51.4	43.6	46.9	61.2	41.9		
Mar 29	43.3	51.5	46.6	56.1	42.3	60.0	48.7	39.1	45.0	36.7	50.2	48.9	39.7	42.3	55.2	50.7	41.6	46.9	52.5	56.8	54.8	39.9	51.2	42.2	54.0	34.4	31.0	58.7	35.6	29.5	45.0	58.7	44.4	58.4	59.5	60.1	51.7	43.7	47.5	50.3	49.8	43.2	52.8	51.7	47.7		
Mar 30	45.2	35.3	52.4	56.5	41.2	60.0	46.0	46.7	46.2	36.1	47.7	38.9	56.4	51.4	51.9	39.7	46.6	46.9	41.5	53.5	47.2	44.5	56.3	40.3	58.7	38.8	40.0	57.3	27.3	23.5	59.7	49.4	38.0	53.6	63.3	54.0	40.9	42.8	31.4	55.3	61.5	39.6	42.9	38.4	40.6	49.7	
Mar 31	54.8	37.0	43.1	52.9	43.8	52.3	34.6	41.0	41.2	46.2	41.0	37.5	47.2	39.9	43.9	50.3	26.7	36.3	34.6	48.0	34.6	53.2	55.8	44.2	50.3	45.3	51.4	51.2	33.6	36.8	57.4	53.7	29.8	59.1	56.9	56.4	52.4	49.2	39.0	46.4	54.3	50.5	46.7	43.3	30.9	48.0	
Apr 1	59.2	38.6	50.6	51.0	40.7	61.5	39.6	33.6	42.6	46.5	42.3	26.1	45.1	38.9	54.4	48.2	40.5	39.4	43.0	52.7	31.2	41.9	57.9	45.2	55.1	40.1	49.0	43.4	43.1	44.6	33.3	48.4	38.4	47.9	55.0	45.9	46.2	29.6	35.5	47.2	59.1	60.6	54.1	43.2	38.0	41.7	
Apr 2	57.2	40.3	47.1	51.7	38.8	60.5	33.5	28.0	45.7	47.2	49.0	27.1	34.9	50.9	67.3	43.8	31.3	43.2	37.0	52.8	33.3	42.2	42.9	59.8	39.4	50.0	48.1	67.1	56.5	45.5	49.9	49.6	37.1	41.6	34.4	58.8	55.5	49.2	36.8	27.1	50.3	62.1	47.7	60.3	48.0	45.9	52.8
Apr 3	50.0	48.4	48.4	44.5	43.6	51.6	55.3	32.5	46.9	52.5	43.5	34.9	34.4	55.9	65.9	38.3	30.3	46.9	32.1	50.2	58.9	36.7	49.1	38.4	42.7	41.2	67.8	44.1	35.2	42.0	49.8	35.0	41.9	49.3	59.3	52.0	60.6	31.1	25.5	42.1	55.3	48.7	58.6	37.3	50.6	53.8	
Apr 4	50.2	49.7	47.6	48.9	45.0	54.7	53.6	32.5	36.3	30.3	38.4	34.9	30.9	58.4	60.7	44.1	38.0	45.7	48.1	48.5	62.5	51.0	47.0	39.3	49.7	49.4	56.2	45.2	37.6	53.0	40.0	38.3	51.3	52.8	59.1	56.2	56.1	25.9	26.1	46.9	48.6	65.0	62.0	44.3	43.2	53.8	
Apr 5	52.3	43.9	38.0	44.8	49.8	46.0	48.3	40.5	29.5	46.6	37.5	39.4	39.6	63.5	61.5	46.1	32.3	37.6	56.4	52.7	70.8	44.5	42.8	40.8	41.1	49.3	55.2	55.2	46.0	61.9	40.7	38.0	52.9	45.6	47.0	57.0	55.0	34.3	31.0	46.8	45.6	42.0	42.1	49.3	56.4	65.7	
Apr 6	45.6	40.7	35.9	46.4	53.3	46.7	47.7	46.2	34.7	47.6	35.6	43.3	45.6	54.0	51.9	33.3	43.3	42.0	39.8	50.0	63.1	41.1	53.7	55.1	44.2	55.8	50.4	46.6	47.0	63.3	28.4	40.3	56.0	38.4	44.6	45.4	52.4	50.0	47.9	33.7	56.6	50.7	41.8	47.8	57.7	48.9	68.7
Apr 7	32.7	27.3	34.6	42.5	42.2	58.3	36.0	44.3	51.3	52.7	42.9	46.7	50.8	48.6	60.1	37.6	33.8	34.6	35.4	54.3	61.3	44.9	43.9	42.4	48.0	40.1	39.5	48.0	48.8	51.0	40.2	48.0	51.0	42.3	43.6	46.1	45.4	53.5	31.2	54.8	59.4	43.8	54.6	48.4	47.0	63.2	
Apr 8	38.6	36.1	39.0	41.4	35.2	46.1	41.1	44.4	38.4	40.3	35.0	53.5	52.1	35.6	60.4	36.7	36.4	45.5	43.7	58.2	60.2	41.3	38.6	51.8	42.7	54.2	44.3	53.0	41.2	56.2	38.8	57.2	53.1	30.8	32.1	48.9	56.7	39.6	36.5	62.5	56.6	47.7	54.5	51.0	48.8	64.6	
Apr 9	33.9	37.8	46.5	42.7	41.9	42.6	54.3	43.6	52.0	43.6	44.4	46.4	56.1	36.8	57.6	44.9	51.3	48.8	45.2	54.6	64.9	44.6	38.3	58.3	29.4	60.3	61.8	57.7	47.8	58.5	44.9	61.1	40.3	24.9	37.1	40.0	61.2	50.8	42.6	61.8	65.4	44.8	39.1	49.9	44.2	55.6	
Apr 10	40.7	46.1	48.8	57.4	42.9	39.1	49.0	44.2	47.5	44.7	52.8	46.6	57.3	36.6	57.2	50.5	57.7	43.3	36.2	57.4	51.8	40.9	43.8	56.0	36.0	61.5	55.4	61.8	53.7	61.4	51.9	62.2	48.6	36.1	51.7	41.7	58.8	52.0	46.4	50.8	50.8	46.0	43.8	53.2	56.0	47.9	
Apr 11	44.9	51.0	44.8	60.5	43.3	46.8	43.1	36.6	46.5	42.5	60.0	46.2	53.1	34.4	62.1	53.4	51.2	53.5	42.2	60.1	56.8	44.3	46.8	45.0	44.3	55.3	36.5	46.4	53.1	57.3	50.4	64.5	50.8	28.1	45.7	56.9	58.8	61.4	47.2	37.7	51.8	45.0	40.5	55.8	45.9	41.8	
Apr 12	45.3	49.7	35.0	59.0	53.7	47.1	36.0	37.0	39.6	39.3	59.1	36.4	57.4	31.8	56.3	45.5	48.7	54.5	38.0	52.2	60.3	40.0	57.9	39.2	52.0	49.5	30.0	45.6	59.0	59.2	59.0	58.8	41.8	33.3	47.1	50.4	57.2	58.6	48.7	39.2	45.0	44.2					

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92			
May 30	78.0	59.2	67.3	71.6	59.1	65.7	66.9	64.4	65.7	76.4	67.8	75.6	65.9	73.2	67.1	67.7	75.1	69.5	68.6	64.1	71.7	65.7	60.5	82.5	69.4	66.9	54.4	59.6	66.4	56.9	65.8	73.1	62.7	67.7	67.5	63.6	62.6	61.3	59.1	66.0	71.4	67.8	58.1	73.4	69.6	64.1			
May 31	73.2	59.1	64.4	71.4	66.3	58.7	71.7	66.4	58.8	69.1	64.7	72.0	66.7	66.3	61.4	64.1	63.2	59.9	66.3	56.4	73.7	68.0	56.4	74.5	67.4	58.1	52.1	63.4	71.0	63.0	57.6	68.9	60.8	64.8	58.7	66.2	70.6	64.9	53.7	69.8	64.1	65.0	64.5	74.3	69.5	65.2			
Jun 1	75.2	55.5	54.8	80.6	66.3	67.6	67.8	70.4	58.5	77.9	71.8	65.4	63.2	60.2	70.4	65.1	69.5	64.1	66.9	62.0	73.1	55.2	54.5	67.9	75.9	61.6	61.0	63.8	62.0	62.2	62.7	75.1	63.1	65.0	62.2	67.2	67.3	60.1	60.9	75.5	63.8	64.2	66.1	75.4	62.6	66.6			
Jun 2	72.4	58.1	59.5	77.2	67.0	70.7	65.8	70.1	61.8	72.4	67.4	58.1	67.3	58.6	73.4	73.7	72.1	69.3	64.7	64.2	70.2	58.9	63.3	63.4	62.1	71.1	70.9	62.5	70.3	57.8	57.8	65.6	70.3	68.5	55.8	59.7	65.9	73.5	62.2	61.5	67.2	63.1	64.0	68.1	72.3	62.9	57.4		
Jun 3	72.6	64.2	58.2	74.9	73.6	61.6	71.7	66.3	73.3	64.2	76.7	62.2	53.8	69.0	65.8	76.1	76.0	70.2	69.8	61.8	70.4	68.2	60.4	72.5	67.2	62.9	73.1	62.1	67.3	49.6	68.6	62.8	71.7	68.5	58.5	58.2	72.6	66.8	60.1	66.3	67.5	65.3	64.6	67.9	68.0	62.5	62.6		
Jun 4	72.8	61.1	54.0	73.2	73.2	67.7	76.8	77.4	64.2	72.6	69.8	62.6	70.5	62.3	72.0	61.5	67.8	61.8	64.7	66.7	64.9	64.6	75.7	66.3	69.6	66.4	69.7	52.3	68.9	60.9	68.4	62.0	58.0	58.3	73.6	74.9	60.6	71.6	66.8	58.8	64.1	68.0	69.0	68.5	54.6	54.1			
Jun 5	71.0	59.5	57.0	71.7	68.9	61.6	68.7	69.8	64.2	67.1	64.8	62.9	59.4	67.8	71.8	67.9	61.0	68.3	62.1	69.1	61.1	62.5	57.0	72.2	71.4	68.1	62.6	63.3	52.5	61.1	60.9	65.4	67.1	54.8	58.4	65.0	65.1	61.3	73.8	71.2	56.0	71.6	74.7	77.1	60.5	67.0			
Jun 6	70.1	65.9	65.2	76.6	66.2	54.2	68.9	73.6	67.3	69.7	70.3	62.9	59.7	68.3	61.1	59.1	65.5	62.7	62.7	68.9	63.9	72.7	58.6	68.6	64.6	64.3	61.7	72.0	55.5	62.8	64.1	70.4	64.5	60.6	54.9	64.7	59.9	65.4	74.1	72.8	55.7	71.6	72.5	71.3	62.0	66.7			
Jun 7	79.4	72.6	70.0	78.1	63.7	58.9	55.8	70.2	67.5	66.5	69.5	72.1	66.3	64.5	67.1	64.9	59.0	68.1	68.9	64.9	65.4	77.7	68.6	70.8	68.2	69.5	59.6	71.7	68.6	61.1	61.8	68.8	63.3	63.1	64.6	67.3	55.1	64.4	71.1	66.7	67.3	70.4	75.4	67.1	64.0	73.8			
Jun 8	78.0	66.5	68.1	81.8	70.8	70.2	56.1	63.5	64.2	58.5	66.8	75.2	60.6	67.6	70.6	67.2	66.8	73.1	62.8	66.1	78.0	72.0	64.4	68.3	62.8	60.7	68.9	63.5	67.7	60.4	67.1	69.9	68.7	72.7	73.5	60.3	68.6	67.8	74.7	69.0	73.7	73.0	68.9	68.6	74.7				
Jun 9	70.4	67.3	69.4	80.0	76.5	69.5	61.5	71.0	63.4	63.0	66.9	75.0	66.6	75.6	69.2	68.1	59.9	64.8	73.5	59.9	60.7	77.8	82.4	62.7	61.5	63.7	58.1	67.6	67.2	76.2	60.1	69.4	72.2	70.3	75.8	71.1	59.9	64.9	62.1	68.5	70.4	70.2	70.7	68.1	68.1	79.6			
Jun 10	65.1	67.4	74.0	82.6	72.2	73.3	62.0	69.2	64.1	67.9	69.0	63.7	73.8	74.3	63.9	67.6	65.1	67.0	67.5	54.5	74.9	78.5	64.9	62.4	71.2	62.7	68.5	64.0	77.5	57.6	73.0	63.5	72.1	68.0	75.4	68.8	63.5	71.1	73.1	65.9	72.7	68.0	59.8	70.7	71.6				
Jun 11	68.8	66.9	70.3	73.5	68.4	69.5	62.9	71.7	62.1	64.1	71.4	65.0	55.5	78.4	74.1	71.4	67.6	62.1	67.7	72.5	60.0	69.6	73.3	60.2	68.5	63.4	70.5	67.3	68.8	69.2	68.6	68.6	69.4	66.2	57.4	69.2	68.6	68.6	69.4	66.2	57.4	69.7	66.5	66.5	66.5				
Jun 12	72.2	74.2	72.0	67.5	61.3	70.0	68.9	66.6	67.3	57.6	69.5	66.5	57.7	80.6	68.9	71.3	69.0	65.9	74.7	60.6	68.5	64.0	67.4	54.0	71.5	75.2	65.9	63.3	69.3	66.0	66.3	60.6	74.1	55.6	76.1	67.0	78.5	63.6	71.4	62.7	67.9	62.1	65.6	63.7	68.2	68.7	61.7	67.6	72.6
Jun 13	69.9	69.2	71.1	69.2	70.8	66.8	68.6	72.6	61.3	59.1	68.4	71.0	63.3	80.9	80.2	64.7	65.2	65.7	72.8	68.5	53.2	67.8	75.0	73.2	66.2	71.3	62.3	67.9	59.1	78.5	66.3	75.2	62.3	74.7	66.3	65.9	66.3	70.9	64.9	69.0	72.7	68.8	58.7	66.9	73.6	68.4			
Jun 14	72.7	70.6	70.3	70.0	70.1	60.0	63.2	73.1	75.1	58.8	69.0	75.4	64.3	83.1	74.8	73.3	75.2	73.6	72.9	71.4	63.2	72.9	80.4	68.3	68.7	75.4	67.8	63.1	58.2	78.4	68.7	71.6	64.5	71.1	64.9	60.3	69.0	70.3	67.5	65.8	66.3	66.5	66.4	66.1	82.4	69.6	69.6		
Jun 15	78.3	67.8	66.8	61.6	70.2	66.6	61.0	73.2	72.1	72.1	70.0	79.7	65.7	81.4	68.7	71.8	74.5	71.8	66.1	69.5	68.4	68.1	72.4	74.9	62.9	67.0	72.7	64.5	54.3	75.9	75.3	74.9	64.4	75.1	71.6	65.1	66.9	68.1	65.0	71.7	63.5	68.5	67.1	66.2	78.2	76.0			
Jun 16	79.9	66.6	68.1	57.5	73.5	68.0	66.5	73.9	77.1	66.9	68.7	78.6	66.7	68.8	67.7	69.4	79.4	79.2	68.6	69.7	69.0	70.8	70.1	69.4	65.5	68.5	63.4	72.6	66.7	73.5	80.8	69.3	69.7	62.3	62.0	68.6	69.8	69.9	72.1	62.7	68.6	59.6	66.0	67.0	63.8	79.8	79.6		
Jun 17	79.5	67.0	64.1	61.4	73.9	70.1	66.3	76.6	78.3	62.7	71.9	75.7	69.8	77.8	62.3	68.8	77.5	73.7	70.9	78.7	73.1	66.6	65.9	70.1	66.8	63.6	69.9	75.2	69.8	69.2	72.7	74.8	66.6	72.3	72.4	74.4	69.4	64.5	72.0	61.0	62.3	65.9	74.6	63.9	69.2	79.9			
Jun 18	76.4	63.7	73.7	67.4	71.5	76.2	77.3	64.7	79.8	57.8	73.0	81.8	71.2	78.2	68.1	66.5	75.6	72.9	74.4	78.0	70.5	67.5	72.6	77.5	64.8	67.1	65.1	70.3	69.1	74.2	75.2	75.9	64.9	66.3	70.5	68.2	68.1	72.8	60.8	61.6	67.9	69.3	64.6	73.9	72.0				
Jun 19	78.2	65.5	79.7	65.1	74.8	69.5	73.3	64.7	80.3	64.1	76.8	81.7	71.6	78.9	67.8	66.8	76.8	72.1	70.6	76.1	68.4	65.7	67.2	73.6	66.4	64.1	71.0	72.5	68.8	67.0	75.5	75.5	63.0	62.2	67.1	70.8	60.1	70.3	70.8	66.1	66.5	66.0	70.4	74.2	79.9	66.9			
Jun 20	76.7	58.5	78.7	64.0	76.3	72.7	76.6	60.6	79.3	72.2	77.2	81.0	76.9	72.3	66.1	68.9	70.7	81.5	67.0	69.1	64.9	65.6	69.2	68.0	68.3	73.7	66.3	74.1	78.9	67.4	71.8	73.4	60.3	64.7	63.3	75.2	58.2	78.0	74.0	71.6	68.1	59.6	71.7	75.9	73.4	74.1			
Jun 21	75.3	61.9	75.0	69.1	77.6	72.2	75.8	61.6	70.7	72.7	74.5	81.7	74.0	63.4	67.5	73.9	69.7	72.3	70.0	66.7	69.2	65.9	67.2	70.5	74.6	65.2	72.3	74.1	71.8	67.1	73.2	75.5	71.8	65.7	62.8	75.0	64.2	77.2	69.6	69.8	61.6	59.5	70.9	70.2	79.6	74.9			
Jun 22	82.5	69.1	73.7	73.9	68.8	73.9	76.0	68.3	72.8	65.7	72.8	76.9	77.7	73.3	61.0	78.3	68.5	73.8	72.4	70.1	70.5	62.9	67.2	71.2	76.2	70.5	63.1	75.9	65.3	72.9	76.2	79.9	69.8	67.1	65.9	73.9	68.6	71.4	68.7	69.4	74.0	60.2	66.6	70.5	70.1	73.6			
Jun 23	77.3	76.1	77.9	69.0	66.7	69.0	75.4	73.6	74.3	67.3	72.6	76.6	72.7	72.2	61.9	78.6	69.7	69.0	70.8	70.1	69.4	65.5	68.5	63.4	72.6	76.1	77.7	71.4	67.9	76.6	73.5	80.8	69.8	63.2	62.0	68.6	70.9	62.2	62.0	68.3	65.0	72.6	70.0	66.3	63.5	72.7	73.0		
Jun 24	69.2	69.2	79.3	74.4	64.3	66.5	67.9	74.5	64.3	72.8	75.6	69.6	75.8	72.6	60.4	80.9	72.9	68.2	71.8	71.1	68.4	70.1	68.2	72.9	69.0	70.8	75.5	75.2	69.3	80.7	74.3	79.8	70.5	78.8	70.3	69.9	65.4	66.2	64.7	70.4	71.5	71.1	63.4	75.6	73.2	74.5			
Jun 25	68.2	69.6	74.7	73.6	74.4	64.4	63.8	74.6	64.7	72.1	75.0	71.1	70.7	73.7	61.3	78.9	74.8	68.6	63.8	69.8	71.0	66.9	66.6	71.0	72.2	67.0	79.5	83.2	70.9	67.4	76.0	75.2	73.0	66.9	73.1	68.7	68.5	79.1	70.1	63.5	64.5	72.5	76.2	73.5					
Jun 26	65.7	79.1	70.3	67.4	70.8	66.8	72.8	70.8	70.8	70.4	78.0	76.2	71.4	71.0	59.8	73.4	71.5	66.1	71.6	63.2	66.1	71.7	70.8	73.8	74.7	70.1	66.6	62.5	68.1	75.7	84.																		

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92		
Aug 13	76.8	80.0	73.0	78.6	77.1	77.6	83.7	79.4	74.4	77.5	76.5	73.4	71.7	74.4	78.7	73.8	82.1	75.8	76.0	66.6	73.3	79.2	78.0	76.1	72.3	72.1	79.5	72.5	81.5	79.3	84.8	84.3	79.0	88.0	73.4	79.3	74.5	68.8	75.7	78.8	80.1	73.7	67.5	69.7	69.6	67.6		
Aug 14	83.5	79.8	76.6	74.2	76.0	74.6	82.9	71.2	67.6	74.5	77.2	74.8	75.0	77.2	77.7	72.7	85.3	66.6	69.7	68.7	73.4	80.4	77.5	78.7	72.1	69.9	79.7	68.0	73.9	78.8	91.9	84.6	76.6	87.1	78.7	80.1	72.1	73.7	80.2	77.0	74.5	75.2	67.7	68.8	71.9	68.9		
Aug 15	76.4	79.8	74.8	76.7	71.0	69.8	82.1	75.2	73.2	77.0	73.3	74.8	71.9	75.9	83.0	78.1	76.7	73.0	76.1	74.7	76.1	82.5	75.9	79.5	75.6	69.9	78.2	75.0	78.6	81.2	85.8	86.4	83.1	82.6	75.1	76.3	81.2	82.7	74.6	74.8	74.0	75.9	67.0	70.1	71.2	71.8		
Aug 16	76.4	82.3	73.5	82.3	80.3	66.7	83.9	77.6	69.0	77.2	73.0	78.4	79.9	72.9	85.6	76.8	80.5	73.6	82.2	67.8	72.4	76.3	72.9	74.7	71.4	69.1	73.2	74.5	76.9	76.5	82.0	77.1	79.5	75.4	74.2	78.5	78.8	79.4	73.0	72.0	75.4	76.0	72.7	69.7	70.5	76.1		
Aug 17	82.7	77.5	73.7	81.5	83.7	69.9	81.7	77.6	69.6	79.4	68.7	71.5	82.3	73.2	75.2	78.5	77.9	68.4	78.8	75.9	69.8	73.2	73.2	71.6	74.8	70.5	75.7	80.4	74.3	76.6	81.3	82.0	77.5	77.1	74.4	82.8	78.3	81.2	73.6	74.0	68.8	69.1	70.0	77.1	73.8	73.3		
Aug 18	79.3	76.7	75.1	77.9	80.7	67.7	81.5	80.5	70.4	72.3	71.1	82.3	70.8	77.7	78.6	79.9	70.0	68.5	72.9	68.1	75.0	73.7	76.3	71.7	73.5	75.3	74.3	74.9	79.4	84.2	75.7	83.3	79.3	76.8	79.3	84.6	80.4	73.4	75.6	61.2	72.7	70.7	76.1	74.8	69.4			
Aug 19	78.9	78.6	81.8	78.4	84.7	78.0	84.9	80.5	75.5	74.7	77.4	72.2	76.1	81.1	66.4	80.5	82.7	71.0	70.0	76.6	74.2	82.1	78.0	76.8	77.7	81.4	76.9	73.4	71.5	75.6	82.1	72.3	83.7	83.0	71.8	77.3	73.5	82.5	76.3	81.5	68.6	71.8	73.5	74.7	79.1	76.0		
Aug 20	77.6	77.1	80.1	76.4	78.2	70.8	84.6	83.4	69.5	74.1	76.4	82.2	80.5	75.3	68.3	77.5	72.3	74.3	74.0	77.4	75.2	85.1	74.2	82.2	83.0	81.2	79.4	79.3	71.0	80.6	78.3	70.6	81.8	82.8	70.4	76.7	73.5	84.9	78.2	81.1	72.0	72.0	73.6	77.4	78.4	76.4		
Aug 21	76.5	79.1	78.6	69.8	76.1	80.8	81.1	76.0	69.3	78.1	75.7	79.9	81.5	86.9	69.8	78.8	75.4	71.1	82.4	67.7	78.0	74.3	76.9	76.8	86.7	74.6	77.3	71.9	71.0	78.9	76.7	70.2	70.5	84.4	72.7	67.4	76.0	85.8	76.3	81.6	72.8	73.7	73.1	73.1	86.9	71.1		
Aug 22	80.9	77.0	72.8	73.7	81.0	72.4	79.3	80.9	72.8	84.5	71.8	74.3	82.2	81.7	72.2	78.1	79.4	78.7	76.6	75.6	70.9	75.4	80.4	80.0	80.0	77.8	80.4	74.3	66.6	81.4	74.3	63.5	72.3	80.7	68.8	66.9	81.8	80.8	70.7	82.0	79.2	75.1	75.2	79.4	82.5	74.3		
Aug 23	80.8	76.2	74.3	73.8	73.7	77.3	81.4	77.2	75.4	75.9	76.7	66.7	81.4	74.6	72.5	77.5	79.6	81.4	73.9	72.3	71.5	77.4	77.6	79.9	75.2	76.6	69.7	67.1	80.5	75.6	68.7	63.0	77.5	78.4	73.5	64.0	81.0	79.6	65.9	74.9	75.7	71.6	69.4	75.7	80.5	76.2		
Aug 24	74.8	73.1	74.0	76.4	71.8	78.1	73.0	79.1	75.0	77.5	76.3	68.5	82.7	78.0	70.6	69.4	82.8	81.5	70.6	74.4	78.2	80.5	75.0	74.1	78.9	73.9	71.7	67.6	79.2	83.1	70.7	69.9	67.4	74.2	76.0	68.0	85.0	83.3	75.0	81.0	78.3	74.0	71.9	76.9	82.0	74.4		
Aug 25	73.8	72.8	78.0	80.9	70.9	74.9	78.3	72.3	76.5	75.6	70.0	60.5	76.7	77.4	67.4	67.4	82.8	88.6	73.4	71.7	66.1	82.3	71.7	76.1	83.3	73.8	72.8	76.8	67.8	81.1	80.8	64.6	69.9	74.3	73.5	79.6	66.5	80.9	80.2	70.4	83.4	78.7	68.6	73.6	72.8	86.1	71.4	
Aug 26	75.4	68.0	73.1	85.4	71.1	72.8	65.4	79.9	83.3	81.8	69.8	69.4	77.7	76.0	75.8	81.0	78.2	84.7	71.7	67.9	72.6	78.9	74.9	75.6	75.3	75.4	69.5	61.1	79.7	73.4	68.0	81.4	73.8	73.9	76.9	74.2	84.6	76.8	74.4	84.1	74.7	73.3	71.9	76.2	83.8	71.6		
Aug 27	74.4	69.5	74.8	84.2	76.3	67.9	76.3	71.8	79.7	83.7	61.2	80.2	61.7	78.7	69.0	79.0	75.5	74.7	75.5	71.6	75.5	76.2	76.9	70.0	76.7	72.6	75.6	75.2	64.7	75.7	70.7	66.6	76.6	81.6	80.3	78.9	75.4	72.2	82.3	75.1	72.9	77.6	84.6	65.0	68.1	70.9	84.8	63.4
Aug 28	76.3	68.2	81.9	87.5	66.7	66.4	80.9	69.4	73.0	70.4	80.6	62.3	71.1	70.6	76.5	67.8	70.3	65.6	65.6	63.8	70.8	69.9	66.7	78.4	72.4	73.8	71.0	55.9	75.7	71.4	72.9	75.2	83.4	79.3	73.9	70.0	85.2	76.2	73.8	82.1	80.2	65.5	65.2	70.5	88.9	71.9		
Aug 29	74.0	73.5	81.6	79.4	66.3	62.8	80.6	68.5	70.3	63.8	78.0	66.0	75.3	69.6	77.3	63.3	70.1	70.8	67.9	63.5	73.0	75.2	74.4	68.5	71.6	83.7	63.6	70.8	76.0	64.6	68.0	77.1	79.5	85.0	74.5	75.1	84.8	74.4	72.4	82.6	78.2	73.9	70.9	73.6	79.4	80.7		
Aug 30	68.9	74.3	80.6	77.4	67.0	75.5	74.9	70.7	79.0	71.2	80.9	66.5	75.8	65.8	81.8	63.7	63.7	68.9	67.8	67.2	70.0	73.9	78.6	66.2	69.6	68.4	74.4	72.4	68.9	68.1	71.6	85.1	81.5	76.8	64.4	78.8	83.1	71.4	71.9	71.3	78.9	71.9	73.7	73.9	81.3			
Aug 31	61.3	78.4	72.4	69.3	62.8	73.4	70.0	55.9	75.0	63.2	73.2	66.9	70.2	68.4	82.1	61.9	64.8	68.8	65.3	65.0	72.1	74.1	73.2	64.0	60.7	79.3	55.5	65.1	65.0	72.4	69.9	79.5	64.5	69.2	65.2	72.8	71.8	79.2	64.0	77.0	69.8	74.2	73.4	65.7	72.0	73.3		
Sep 1	59.7	63.2	65.9	70.1	65.9	70.4	72.8	60.2	71.0	59.9	61.7	63.3	63.6	59.2	74.1	59.4	59.3	66.0	62.6	57.2	67.5	75.9	66.0	66.6	61.6	63.6	58.6	71.7	68.3	62.7	66.1	75.4	68.8	58.8	63.4	74.8	77.0	62.9	57.8	67.9	67.1	67.8	55.8	68.7	76.4	72.6		
Sep 2	65.8	73.8	51.4	65.9	62.7	68.0	68.1	55.9	69.3	59.7	77.9	68.1	67.2	62.2	68.7	60.9	73.0	70.1	66.0	60.5	60.0	70.6	66.7	69.6	57.1	71.0	62.6	74.5	72.7	70.1	65.2	72.9	60.3	67.0	72.3	77.1	69.7	69.3	58.6	82.4	72.2	61.9	72.4	74.1	68.4	75.8		
Sep 3	68.1	73.1	61.2	69.1	72.3	64.1	60.6	54.8	66.9	51.8	65.5	63.5	65.1	60.4	69.8	59.8	67.0	76.2	67.3	68.3	68.0	60.6	60.6	60.9	63.3	68.0	62.2	66.9	72.3	73.9	76.9	69.4	62.9	64.9	68.3	69.1	77.4	69.9	59.0	59.2	73.4	64.6	56.0	71.8	70.8	72.5	64.8	
Sep 4	62.1	74.1	63.7	64.1	67.9	68.6	63.3	55.2	57.7	61.5	63.7	66.3	68.3	61.4	68.4	59.7	68.3	74.0	61.7	61.2	65.7	75.0	69.2	76.7	68.0	65.0	66.3	74.8	71.6	67.7	65.0	73.2	70.1	68.4	64.8	70.9	73.3	63.1	56.0	67.0	63.0	60.8	72.7	59.9	75.3	71.1		
Sep 5	65.9	84.9	67.8	78.3	70.7	76.5	65.8	51.5	55.1	53.8	60.4	60.8	77.5	65.1	68.7	60.9	67.0	74.5	64.4	70.3	68.2	68.8	60.1	67.2	66.9	63.1	69.2	72.1	75.6	60.9	66.4	79.9	71.4	66.3	67.7	69.3	66.9	64.5	64.4	67.7	66.8	53.7	76.3	68.0	78.4	74.6		
Sep 6	65.9	67.1	61.9	75.1	69.3	70.6	75.3	57.9	53.3	60.5	68.6	61.9	80.8	64.9	68.6	57.0	71.2	68.5	69.9	58.9	73.0	71.8	56.8	63.9	63.4	64.0	66.3	74.8	73.3	62.6	70.9	80.8	63.1	66.2	71.4	67.1	70.5	61.4	64.1	66.8	67.3	48.6	73.7	66.3	73.2	77.9		
Sep 7	66.0	76.0	62.9	67.0	67.1	78.8	68.1	61.4	56.0	69.7	66.8	50.1	76.8	72.8	63.6	60.9	67.8	65.5	62.8	63.6	64.4	69.2	61.7	60.0	58.6	60.2	78.3	57.9	68.0	70.7	74.6	82.4	73.1	65.9	68.5	71.3	69.6	61.4	66.3	51.6	67.1	59.0	74.7	60.2	69.1	75.5		
Sep 8	63.8	74.0	59.2	68.4	62.1	69.4	68.2	57.5	55.4	71.1	67.0	60.4	68.7	73.2	73.6	71.8	70.4	63.9	62.3	63.2	66.9	66.5	63.2	52.1	49.4	61.9	73.5	61.8	69.6	73.9	74.7	85.3	66.3	74.2	66.9	65.1	64.1	70.3	62.7	58.5	70.1	65.0	80.3	56.7	68.1	77.0		
Sep 9	54.3	65.8	56.4	62.7	59.9	74.0	60.9	55.7	56.6	80.2	67.9	64.4	57.8	83.4	70.7	64.4	71.7	62.3	64.1	70.3	60.4	64.6	61.0	54.7	54.5	65.8	69.0	63.8	61.4	63.9	72.																	

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	
Oct 27	54.1	39.3	40.1	51.1	28.2	42.1	44.0	38.9	55.1	41.8	36.5	32.0	45.6	44.2	46.7	48.4	43.5	45.1	44.4	54.0	43.5	47.0	36.2	32.2	36.3	56.8	39.3	37.3	43.4	43.3	53.8	46.3	32.4	43.6	39.0	46.0	34.7	53.0	53.4	66.6	43.0	52.3	39.8	54.3	45.6	65.2	
Oct 28	44.4	48.3	36.5	53.0	37.6	36.1	42.4	34.7	54.6	35.8	39.2	37.2	48.7	53.4	42.7	43.9	39.8	52.8	41.6	45.8	43.0	44.8	37.4	40.1	31.5	58.3	31.9	35.5	42.3	58.2	53.6	54.9	42.0	46.9	36.5	38.7	25.4	45.5	48.0	57.0	38.4	46.6	53.7	44.4	34.6	52.0	
Oct 29	37.4	47.9	45.6	54.8	33.6	40.9	37.0	50.7	46.7	32.7	31.0	43.9	36.0	54.0	50.8	43.1	29.6	55.1	33.1	34.4	40.3	40.8	39.4	50.2	43.5	57.3	31.5	28.2	49.2	48.2	44.8	45.5	45.2	38.4	36.6	50.1	33.2	53.5	62.0	53.1	44.9	43.1	48.2	43.0	39.4	51.5	
Oct 30	29.3	52.1	37.5	51.8	30.7	39.7	40.8	51.6	50.3	45.7	27.3	54.5	44.3	51.9	55.4	43.4	40.5	52.7	37.1	43.0	41.0	39.0	44.5	53.6	47.9	62.8	38.3	27.1	50.1	51.5	43.6	33.6	43.2	52.7	36.6	57.8	38.5	50.6	55.7	50.7	43.1	56.5	42.1	41.0	49.2	61.9	
Oct 31	37.0	64.1	38.3	52.8	29.1	47.3	43.1	54.4	40.2	49.8	39.2	35.5	35.6	46.6	37.0	39.3	49.1	57.5	46.6	54.5	40.9	46.4	31.8	40.7	58.9	53.0	39.1	29.2	39.5	53.9	55.1	30.1	40.0	58.5	42.1	58.5	32.0	34.5	60.8	49.0	28.0	48.9	47.1	38.3	51.0	53.6	
Nov 1	46.4	63.0	46.0	53.2	37.2	42.5	47.8	50.1	49.9	52.9	39.3	33.5	37.7	54.9	32.5	46.9	40.9	46.1	48.8	37.1	37.0	46.6	37.9	46.7	47.7	57.6	40.5	40.2	35.5	58.5	60.5	42.2	37.8	50.6	48.5	65.6	39.8	41.7	61.8	44.6	23.5	43.2	37.3	43.0	45.1	53.4	
Nov 2	46.7	51.0	36.2	53.0	34.8	35.8	43.0	47.7	48.5	52.4	27.0	29.8	29.4	46.5	35.6	42.6	42.5	54.2	46.0	42.5	34.5	50.7	40.9	31.2	47.0	53.0	44.1	31.8	25.0	54.5	55.9	39.7	33.0	38.6	43.6	44.4	35.2	32.0	50.5	29.1	35.6	48.5	26.8	47.8	54.9	46.2	
Nov 3	41.2	41.2	37.9	43.5	36.8	37.9	49.3	47.7	42.3	48.3	24.0	34.4	37.4	49.5	30.5	48.7	41.1	47.1	51.6	44.7	35.0	57.2	41.1	29.4	49.9	37.9	45.5	24.6	28.0	38.0	56.1	36.6	41.5	39.2	39.2	47.8	39.9	33.0	55.5	28.9	27.7	49.3	41.8	43.9	54.5	34.7	
Nov 4	45.7	46.2	45.9	41.3	50.1	34.6	47.6	50.7	56.8	41.7	23.3	25.2	37.9	41.2	38.7	47.4	48.4	38.0	52.1	40.9	31.4	57.7	46.5	33.9	51.8	37.6	42.3	25.9	32.6	45.3	54.9	29.1	41.6	38.6	37.1	47.4	19.6	43.1	33.2	26.9	38.9	40.6	45.1	41.5	43.0	41.1	
Nov 5	34.5	47.1	56.3	35.0	27.2	28.3	54.2	48.8	51.4	21.6	26.8	30.4	36.9	39.1	37.3	49.2	41.6	39.8	54.5	31.4	26.8	48.8	46.7	38.8	45.6	42.8	40.8	36.9	27.6	57.2	44.6	37.9	31.9	31.2	34.7	46.1	27.1	42.9	43.9	28.8	43.2	33.8	39.9	29.9	36.1	47.5	
Nov 6	40.4	41.2	37.6	25.0	30.1	37.9	55.6	45.4	59.6	38.5	23.6	26.9	39.3	25.5	34.0	39.0	45.3	47.6	46.3	28.5	24.5	37.1	46.8	41.4	44.3	55.1	54.7	42.8	38.6	56.4	41.5	32.2	33.5	30.2	38.2	42.2	30.7	41.4	43.6	19.5	39.0	32.4	42.0	37.2	38.7	44.3	
Nov 7	50.8	42.6	48.5	29.0	28.4	30.5	49.4	55.3	57.6	37.2	23.6	34.1	39.9	23.4	37.0	42.2	47.5	41.3	44.0	37.1	29.2	35.8	50.2	47.0	41.8	37.0	50.9	34.1	39.6	49.3	40.9	33.5	44.5	41.4	43.4	31.1	36.5	47.9	31.6	24.6	35.8	31.6	30.1	34.5	38.7	47.0	
Nov 8	48.4	35.3	34.3	30.3	36.8	43.6	37.0	40.6	43.0	46.0	42.3	24.3	45.4	34.5	31.7	32.3	45.5	40.8	42.8	40.6	38.0	39.6	47.2	41.5	34.0	38.1	49.9	44.6	38.9	52.1	29.3	37.0	41.9	41.9	40.3	35.3	27.6	26.7	42.6	31.5	19.1	30.1	45.3	23.2	36.8	45.5	45.8
Nov 9	55.4	37.4	42.7	40.0	41.5	37.3	31.2	45.5	44.3	45.1	40.4	31.9	38.9	32.0	34.4	30.7	42.2	45.5	39.2	42.1	32.4	39.4	33.1	44.6	28.1	45.3	49.1	41.9	43.9	39.9	24.1	38.1	39.8	32.4	37.3	31.6	23.5	40.6	32.1	31.8	39.0	38.2	41.1	27.2	50.2	35.7	
Nov 10	52.5	26.0	49.1	34.9	37.5	40.5	50.1	32.7	30.0	46.4	41.2	45.4	41.5	35.5	34.9	28.6	54.8	43.9	32.8	42.0	31.7	37.4	22.1	40.9	24.3	44.3	45.1	41.9	25.6	17.3	36.4	24.5	41.2	35.1	34.4	28.0	38.7	43.5	40.8	32.6	42.2	32.2	34.2	49.1	36.2		
Nov 11	48.5	36.9	47.7	40.0	46.3	44.6	39.6	21.2	28.4	47.4	34.2	47.2	32.2	36.5	46.1	32.3	54.0	48.5	29.9	39.1	28.2	44.5	24.7	48.2	20.8	47.3	40.7	43.2	46.3	36.1	28.4	32.1	18.9	40.4	31.0	32.1	36.2	45.8	39.8	39.4	37.6	38.7	32.6	35.0	52.0	41.9	
Nov 12	42.0	23.9	44.3	46.8	33.0	32.2	38.6	18.7	24.1	42.6	28.6	34.4	31.4	37.6	53.7	34.0	50.6	57.0	30.8	36.7	21.1	33.8	28.5	42.1	27.5	52.5	43.4	35.6	48.4	41.8	27.4	40.0	19.0	39.5	24.0	46.1	41.7	38.9	27.5	35.1	35.5	41.2	28.2	39.1	48.0	57.1	
Nov 13	38.3	27.7	38.8	40.8	34.4	31.0	34.1	25.6	30.9	34.9	36.6	39.5	41.0	40.1	43.5	17.3	53.8	60.2	31.3	43.6	12.4	31.7	22.3	38.1	32.2	54.3	55.2	46.9	48.1	35.5	24.7	49.2	23.4	34.0	35.8	33.0	30.2	36.8	27.3	34.9	37.1	40.5	36.7	37.4	49.4	52.0	
Nov 14	23.9	30.9	39.9	37.3	34.0	45.1	39.8	31.9	41.9	58.9	36.5	38.4	43.6	43.2	31.6	25.0	36.5	51.9	19.3	40.2	21.3	34.7	25.9	51.5	36.8	34.2	50.6	42.8	46.8	31.3	32.1	54.0	26.7	35.4	39.0	44.6	26.5	35.1	16.1	35.0	36.9	38.3	42.7	40.3	58.1	41.1	
Nov 15	22.8	34.9	46.8	47.1	21.7	44.6	37.7	36.1	41.8	67.9	27.4	35.0	58.9	38.6	27.6	31.7	37.4	41.8	31.5	23.8	32.4	35.7	36.8	45.3	44.7	22.0	36.6	27.2	43.3	26.2	28.5	43.1	35.7	32.5	44.5	48.2	39.0	21.5	20.0	28.2	25.5	34.6	33.7	22.8	45.1	44.5	
Nov 16	22.0	30.5	30.3	36.4	20.4	47.0	46.1	29.1	30.8	57.4	32.7	38.4	50.4	38.1	33.3	41.5	26.5	42.4	33.5	29.7	36.1	37.2	26.8	37.9	36.6	20.2	44.3	39.4	36.1	34.1	38.6	38.6	34.1	33.1	45.9	48.1	36.4	21.4	34.0	44.3	28.7	27.8	34.3	24.6	43.1	38.8	
Nov 17	20.5	32.5	30.4	35.6	30.5	31.6	42.0	27.9	31.3	53.1	34.9	48.8	48.8	30.9	35.9	43.2	20.2	40.3	41.2	29.7	28.2	34.2	26.7	29.3	30.7	33.5	40.3	46.0	31.2	30.5	25.1	35.3	35.8	19.9	50.3	41.4	26.9	32.5	37.8	40.3	42.8	30.8	28.4	26.7	40.8	45.9	
Nov 18	17.5	35.1	24.5	36.0	39.5	23.8	35.9	29.0	32.7	37.8	35.5	49.4	42.6	25.7	30.6	26.1	25.6	32.9	45.4	34.4	30.6	46.8	20.6	35.7	40.8	30.6	37.6	55.8	34.7	19.9	29.6	33.9	36.1	18.1	50.8	49.6	29.5	37.7	34.0	44.9	40.6	40.6	31.5	20.2	44.7	45.6	
Nov 19	22.0	28.7	35.6	31.2	37.2	20.1	40.7	27.0	42.0	42.2	33.9	37.7	37.3	27.4	33.0	34.2	29.4	33.4	44.5	29.7	32.8	41.6	14.9	38.1	33.8	38.0	35.1	54.2	28.4	23.3	19.6	34.2	43.8	21.5	48.0	40.6	29.9	25.5	30.1	39.3	36.3	32.7	40.2	21.8	46.4	41.0	
Nov 20	30.6	32.7	37.4	34.1	43.5	36.1	41.1	34.3	46.0	45.5	33.7	28.4	39.1	33.0	26.7	40.1	39.4	41.9	41.8	35.2	22.0	41.0	18.2	40.8	41.0	42.0	29.8	51.3	20.9	28.0	24.8	24.6	47.0	32.2	52.0	36.0	18.0	35.7	23.3	42.2	39.3	34.5	45.3	16.0	50.1	41.5	
Nov 21	31.5	30.1	37.3	27.5	37.5	41.8	31.6	25.8	53.8	47.2	39.2	26.9	32.1	30.3	26.0	39.2	38.8	38.1	31.4	37.9	25.6	26.5	17.0	43.6	37.3	37.3	41.1	41.7	26.3	41.8	28.6	24.0	41.0	29.4	52.4	37.1	22.1	46.4	27.5	44.2	47.1	38.4	41.9	23.5	42.9	32.0	
Nov 22	40.8	32.4	33.5	26.0	37.6	49.9	42.5	23.8	51.5	45.5	38.4	42.0	31.1	31.2	31.7	35.0	30.8	32.2	27.3	39.3	23.3	21.3	38.3	35.9	36.4	29.9	44.3	38.4	36.0	38.8	24.1	30.3	38.0	23.8	56.0	52.2	28.9	58.8	42.0	40.3	43.3	41.1	48.7	31.1	48.5	30.5	
Nov 23	30.7	26.0	31.8	14.5	41.6	39.1	41.8	19.2	47.0	39.3	48.4	30.0	26.9	30.9	37.7	50.4	38.6	26.4	28.3	27.4	33.5	25.2	32.5	37.1	39.0	29.4	38.8	40.2	40.9	35.4	30.0	35.0	40.2	24.1	33.5	50.3	27.4	60.0	34.4	38.9	30.2	43.1					

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	93	94	95	96	97	98	99	100	T _{avg}	T _{min}	T _{max}
Jan 1	28.5	20.6	33.8	17.1	29.7	47.3	35.0	33.1	30.363	14.5	50.3
Jan 2	19.3	9.8	32.5	25.1	23.2	49.2	38.0	27.2	29.858	9.8	49.2
Jan 3	11.6	24.0	22.9	31.3	31.4	39.0	33.2	21.8	30.382	11.6	52.1
Jan 4	21.2	24.8	14.3	26.3	28.5	39.9	43.2	23.1	30.377	11.6	45.8
Jan 5	34.2	34.9	10.7	35.5	30.7	36.8	48.0	18.9	29.887	10.7	50.5
Jan 6	28.4	26.4	7.8	37.1	37.2	34.6	53.4	22.2	30.124	7.8	53.4
Jan 7	26.0	36.2	21.1	31.3	31.3	38.1	49.1	22.5	28.680	7.2	49.1
Jan 8	34.5	30.4	28.4	33.3	30.5	27.7	51.8	17.5	28.568	14.4	51.8
Jan 9	44.6	28.0	36.4	25.0	28.5	34.7	46.9	22.2	28.606	13.6	46.9
Jan 10	31.1	28.5	31.9	30.2	31.0	29.5	44.9	23.3	28.661	8.2	46.3
Jan 11	25.8	24.7	40.2	30.0	33.3	26.3	39.7	12.9	28.847	8.8	49.3
Jan 12	28.0	25.1	34.9	29.6	29.0	21.3	32.0	19.0	29.341	13.8	44.9
Jan 13	31.7	23.2	19.6	31.4	30.6	25.7	27.7	9.6	28.209	9.6	46.8
Jan 14	25.6	25.7	22.1	27.5	26.3	31.7	32.7	14.3	28.752	11.4	45.5
Jan 15	32.0	29.1	26.0	30.4	33.8	37.1	30.4	12.5	29.156	12.5	44.5
Jan 16	27.4	30.0	33.8	24.0	27.5	25.7	39.9	14.6	28.682	10.4	44.9
Jan 17	33.5	35.5	29.9	21.5	24.6	23.7	32.2	11.6	29.454	11.6	51.6
Jan 18	34.4	36.4	17.0	18.6	27.8	29.2	38.3	16.8	29.095	9.1	46.7
Jan 19	33.0	28.6	26.9	13.3	18.3	28.1	38.5	21.7	28.150	13.3	46.7
Jan 20	37.8	35.6	29.4	26.0	18.3	30.4	46.2	20.9	28.922	10.2	46.2
Jan 21	35.8	43.8	28.5	26.0	23.2	33.7	44.2	13.6	28.413	8.9	51.5
Jan 22	45.6	43.1	36.6	25.4	27.4	37.9	39.4	19.3	29.888	10.1	45.6
Jan 23	30.3	40.3	34.1	24.9	25.3	29.6	26.0	14.7	29.852	14.7	47.9
Jan 24	28.5	33.0	27.0	27.5	28.3	34.4	17.8	25.7	29.103	10.7	47.4
Jan 25	34.1	33.0	30.7	23.6	31.6	21.7	23.1	33.2	29.491	9.6	49.9
Jan 26	42.3	26.0	27.3	18.8	34.6	23.7	20.6	31.6	29.589	12.1	47.5
Jan 27	39.0	17.9	34.3	32.1	30.5	29.6	8.3	24.0	29.090	8.3	46.8
Jan 28	43.6	25.8	44.8	25.4	27.5	29.8	11.8	28.7	29.153	9.7	54.2
Jan 29	34.9	29.5	44.4	16.1	25.0	22.6	13.1	17.2	29.027	7.9	45.7
Jan 30	31.2	21.3	34.3	22.2	23.7	33.0	7.6	17.9	27.567	7.6	50.5
Jan 31	34.7	21.3	41.9	29.2	32.0	34.8	7.9	20.1	28.542	7.9	54.6
Feb 1	33.0	35.1	35.5	17.5	34.0	34.3	21.3	30.6	29.391	13.4	46.1
Feb 2	32.4	27.4	32.2	19.3	36.2	26.8	22.8	31.3	29.142	14.5	45
Feb 3	29.5	15.0	39.9	12.4	47.4	28.4	14.1	32.6	29.767	12.4	47.6
Feb 4	35.2	23.2	43.4	26.3	40.1	33.6	25.0	21.1	30.224	7.1	44.7
Feb 5	28.8	35.0	39.2	30.3	33.3	18.2	26.7	28.2	30.043	12.2	44.3
Feb 6	40.0	40.4	25.3	29.2	40.0	22.0	20.0	41.0	30.795	9.0	46.3
Feb 7	30.7	38.6	21.3	18.0	31.1	22.8	28.6	28.6	30.340	12.8	53.9
Feb 8	25.9	29.8	23.7	22.2	31.0	27.9	34.8	27.8	30.302	12.1	49.9
Feb 9	19.0	25.6	19.0	29.9	29.8	22.6	35.9	29.1	29.785	13.8	49.6
Feb 10	14.9	31.4	26.1	37.7	30.2	19.8	31.8	24.4	30.954	14.9	51.4
Feb 11	14.9	39.0	32.1	32.3	39.9	29.9	39.9	23.5	32.122	11.2	58
Feb 12	15.1	38.4	29.7	28.7	30.7	28.2	43.1	28.4	31.644	15.1	61
Feb 13	16.9	40.6	37.8	31.4	32.1	41.6	47.4	28.5	32.311	12.3	55.3
Feb 14	21.6	39.9	42.3	36.2	32.5	45.7	40.9	31.5	32.803	16.0	55.3
Feb 15	25.2	49.6	45.6	25.9	27.0	38.4	44.3	29.2	32.733	11.5	54.7
Feb 16	31.5	32.2	31.8	18.7	42.9	36.6	49.4	41.0	32.757	9.0	49.4
Feb 17	27.9	40.3	49.3	38.0	39.2	32.8	42.2	39.2	33.181	15.3	51.5
Feb 18	33.3	37.0	47.2	21.2	46.1	35.4	36.7	26.0	33.419	19.1	53.9
Feb 19	32.1	37.6	46.2	24.9	42.3	37.4	33.5	27.0	32.822	14.0	55.4
Feb 20	37.2	44.4	41.6	27.7	30.5	41.6	41.3	31.5	33.007	16.2	47.2
Feb 21	36.9	29.8	24.8	25.8	37.7	31.8	42.8	39.8	32.153	17.8	48.4
Feb 22	36.7	30.3	25.4	29.8	27.6	32.4	41.7	45.2	33.054	13.9	52.9
Feb 23	34.0	40.6	33.1	19.3	20.6	44.3	37.8	45.5	33.237	7.1	53.8
Feb 24	23.0	31.0	36.3	20.3	22.9	39.7	35.4	48.7	33.971	14.5	54.4
Feb 25	35.0	31.7	39.9	17.3	28.8	45.6	32.5	39.6	33.887	12.2	51.1
Feb 26	42.2	36.1	37.7	25.1	32.5	43.0	35.3	37.9	35.929	12.0	53
Feb 27	35.0	25.5	52.7	37.8	37.4	48.1	37.4	27.3	36.100	19.9	61.3
Feb 28	33.3	39.4	50.0	40.9	34.2	51.7	36.0	39.1	36.932	20.0	56.2
Feb 29	38.8	49.3	45.1	36.8	32.0	48.6	38.5	37.9	38.475	16.3	56.5
Mar 1	36.3	39.3	49.0	46.2	31.9	44.4	38.9	37.4	37.892	19.8	57
Mar 2	35.0	32.0	42.9	44.5	32.3	40.5	37.7	44.0	38.538	20.2	59.1
Mar 3	39.8	33.8	35.9	30.6	44.1	38.0	46.5	51.8	39.042	16.2	59
Mar 4	43.3	31.5	55.6	40.0	48.0	34.7	28.0	37.8	38.573	21.1	59.4
Mar 5	38.4	34.2	55.8	43.1	46.0	43.4	32.5	42.3	38.378	23.8	57.6
Mar 6	31.8	30.3	46.0	46.1	37.1	41.9	40.8	48.7	39.182	22.1	58.4
Mar 7	35.0	32.0	40.2	41.0	29.9	35.9	32.4	42.0	38.982	14.8	59
Mar 8	35.6	38.9	32.3	31.9	36.1	30.8	29.1	48.5	38.735	14.9	59.2
Mar 9	47.5	50.2	31.7	44.0	26.3	31.6	31.6	56.7	38.371	17.4	63
Mar 10	41.9	48.3	39.7	43.0	24.0	38.5	31.8	57.6	38.455	20.5	66
Mar 11	39.1	55.3	33.2	32.5	29.3	52.2	42.8	53.6	38.960	18.0	68.6
Mar 12	38.8	43.4	41.0	33.4	31.9	38.2	45.1	46.8	39.452	10.2	59.3
Mar 13	33.8	54.2	36.4	33.6	40.3	37.5	42.8	33.9	40.519	18.0	61
Mar 14	19.2	43.4	47.3	45.5	41.4	28.6	45.0	39.6	40.678	19.2	57.6
Mar 15	21.2	51.2	44.3	40.1	38.4	30.3	41.0	44.8	40.255	18.3	61.5

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	93	94	95	96	97	98	99	100	T _{avg}	T _{min}	T _{max}
Mar 16	31.1	30.3	42.4	42.7	46.9	34.6	37.1	43.9	41.355	23.5	64.3
Mar 17	32.9	41.5	38.2	43.1	53.5	35.2	52.4	46.0	42.318	23.8	59
Mar 18	41.6	37.6	49.4	43.8	49.7	33.4	41.6	40.8	43.136	25.0	69.6
Mar 19	52.7	40.9	55.0	53.8	47.4	40.6	42.1	39.8	44.623	21.6	68.9
Mar 20	49.0	38.7	46.9	59.6	46.8	53.0	47.8	46.0	43.371	26.4	66.6
Mar 21	51.4	35.2	44.3	55.9	35.9	39.2	45.8	52.5	43.105	21.9	63.7
Mar 22	49.9	33.0	43.0	49.5	53.4	37.7	47.6	46.9	44.157	28.8	65.7
Mar 23	44.6	37.3	39.7	43.9	59.3	44.1	38.9	51.6	44.889	28.6	59.9
Mar 24	51.6	45.1	40.0	48.9	60.5	60.8	43.8	49.3	45.218	26.4	62.8
Mar 25	47.8	43.5	40.6	43.8	64.9	49.1	50.0	56.4	45.890	22.9	68.6
Mar 26	51.4	54.0	43.6	51.4	50.0	44.2	44.8	51.2	46.060	21.8	66.9
Mar 27	39.5	59.7	35.7	59.9	51.6	45.5	54.0	54.6	45.809	31.6	68.4
Mar 28	54.4	59.5	46.5	44.8	51.7	46.7	52.2	42.8	46.327	27.1	71.4
Mar 29	54.4	56.5	43.6	59.2	46.8	38.4	40.7	32.5	47.022	29.5	70.6
Mar 30	54.6	54.4	60.8	47.6	49.1	40.9	39.3	42.1	47.014	27.3	69.2
Mar 31	50.7	57.2	56.7	44.4	57.9	32.6	41.7	37.7	44.955	24.2	66.8
Apr 1	50.8	45.6	47.7	47.0	56.4	33.7	46.5	27.3	43.848	26.1	61.3
Apr 2	59.0	60.6	48.3	45.8	67.0	34.4	51.0	32.5	45.680	24.0	67.3
Apr 3	49.2	44.3	51.5	45.2	46.4	44.4	58.5	33.6	45.677	25.4	67.8
Apr 4	40.5	33.2	55.0	40.2	58.2	39.8	50.3	37.6	45.953	25.9	65
Apr 5	42.9	40.3	60.0	38.4	44.1	46.4	33.2	48.8	46.111	28.3	70.8
Apr 6	34.1	36.5	56.5	36.2	46.8	43.9	36.2	41.2	46.366	28.4	68.7
Apr 7	36.7	42.4	41.4	44.1	49.1	36.2	29.5	49.8	45.732	27.3	64.7
Apr 8	39.6	44.6	56.9	41.7	46.8	45.6	37.6	53.1	46.204	26.1	64.6
Apr 9	44.1	48.3	50.0	41.6	51.4	41.6	42.5	39.5	47.139	24.9	65.4
Apr 10	40.1	52.6	54.2	42.4	46.7	41.5	41.9	48.6	48.038	31.9	66
Apr 11	34.9	46.0	54.1	41.7	67.9	51.2	41.1	51.5	48.257	28.1	68.9
Apr 12	38.8	42.9	48.4	31.2	69.0	50.3	49.8	53.2	48.512	29.5	69
Apr 13	39.9	42.3	56.3	26.3	68.8	48.7	56.4	56.8	49.170	24.9	77.2
Apr 14	48.0	41.0	56.5	37.4	68.6	53.6	52.2	47.9	50.631	31.7	82.1
Apr 15	52.8	40.0	49.7	38.3	61.4	50.7	40.5	49.6	51.575	34.8	74.3
Apr 16	48.7	39.1	45.9	41.5	61.3	62.6	42.3	53.4	51.466	35.4	80.4
Apr 17	46.3	55.2	48.5	49.0	51.0	52.4	38.4	42.6	51.361	35.9	79.8
Apr 18	48.6	54.8	46.7	45.0	60.8	47.3	42.2	39.9	51.961	31.1	79.9
Apr 19	49.7	54.3	49.5	46.7	61.2	49.3	51.3	46.1	52.068	32.2	72.1
Apr 20	53.0	49.7	57.9	46.6	59.6	50.2	41.6	53.2	53.119	32.6	70.6
Apr 21	56.0	45.9	46.6	38.0	63.3	54.8	34.6	53.5	52.947	34.6	71.7
Apr 22	45.6	46.5	52.1	45.7	64.7	53.1	48.6	42.2	52.438	32.7	68.4
Apr 23	48.4	43.3	50.3	52.3	68.1	62.7	55.3	34.0	53.099	34.0	73.2
Apr 24	45.8	41.4	50.1	46.9	62.9	57.1	58.1	31.2	52.216	31.2	70.9
Apr 25	52.3	46.2	52.2	37.7	55.1	54.1	55.3	42.9	52.759	33.7	73.1
Apr 26	52.1	46.7	50.0	49.6	49.8	56.3	54.1	52.9	53.659	35.5	81.4
Apr 27	52.0	47.4	56.0	52.3	48.2	41.8	50.8	50.8	53.856	37.7	75.5
Apr 28	59.4	45.5	58.2	60.6	60.2	49.0	42.1	46.6	53.526	31.2	73.8
Apr 29	55.1	49.8	58.7	55.4	57.6	61.9	50.2	56.8	55.184	38.0	72.4
Apr 30	47.8	46.9	60.7	51.5	65.8	61.6	46.1	59.9	54.321	39.2	71.2
May 1	40.0	48.8	61.6	60.7	69.6	59.1	43.6	55.7	54.849	36.7	69.6
May 2	27.2	52.5	52.6	59.7	65.3	49.3	53.7	58.8	55.174	27.2	73.3
May 3	45.8	48.1	55.8	65.2	60.1	43.1	61.3	51.2	55.282	39.0	70.8
May 4	47.4	67.3	53.2	60.4	57.4	47.6	66.0	63.4	56.183	36.9	75.4
May 5	49.0	63.6	60.5	73.9	55.6	58.6	55.7	59.3	56.557	37.7	73.9
May 6	49.4	50.6	62.6	67.1	59.2	58.7	47.6	63.0	57.191	43.2	81.9
May 7	55.6	68.9	48.7	63.2	62.8	58.2	46.7	60.9	58.230	39.2	80.6
May 8	47.6	62.0	52.7	58.6	58.2	43.9	55.7	68.9	57.538	36.4	79.6
May 9	46.9	50.5	57.6	59.2	53.1	46.9	53.5	55.0	58.169	41.6	78.8
May 10	49.9	50.7	62.9	54.9	51.6	65.1	59.4	46.8	57.938	40.0	80
May 11	34.8	47.8	60.4	57.3	55.3	67.7	61.1	47.9	58.130	34.8	80.4
May 12	41.7	40.1	63.9	58.4	53.4	59.1	48.7	52.7	58.302	40.1	77.4
May 13	51.2	53.5	56.2	60.9	51.6	69.4	50.8	52.3	59.618	38.8	80.2
May 14	55.7	56.0	51.1	49.9	51.7	68.8	52.4	58.4	59.065	38.5	72.8
May 15	51.5	58.7	49.1	51.9	56.2	68.6	67.2	61.6	60.136	41.4	81.7
May 16	58.2	62.9	56.4	56.1	57.5	62.6	57.0	54.0	59.663	40.8	77.9
May 17	60.8	59.5	54.9	63.4	59.1	60.2	59.5	66.4	60.384	45.6	75.8
May 18	63.5	56.3	60.1	70.7	48.7	66.6	60.4	59.8	61.543	48.1	78.4
May 19	59.3	55.3	56.7	72.8	51.0	58.5	58.4	59.0	61.380	46.6	74.9
May 20	67.3	61.5	48.8	66.7	60.7	70.2	62.9	62.3	61.683	46.8	79.6
May 21	71.6	61.2	51.5	65.8	60.4	61.7	60.1	61.5	62.508	48.4	76.7
May 22	68.6	56.8	52.3	58.9	67.2	58.9	71.5	65.7	63.206	45.8	80.6
May 23	63.2	60.3	60.7	56.8	72.0	62.9	59.7	66.8	62.983	50.5	82.8
May 24	74.4	65.1	61.8	58.1	66.6	59.2	54.8	65.8	63.365	49.3	79.4
May 25	72.4	64.3	63.2	62.7	64.5	64.6	56.4	60.5	63.806	47.4	81
May 26	70.4	66.5	66.2	61.2	62.3	62.8	64.4	64.4	64.130	50.0	78.8
May 27	64.6	64.4	74.9	68.4	67.9	64.2	63.7	56.0	65.280	47.6	81.4
May 28	51.3	69.8	69.4	67.5	58.2	69.6	66.5	54.8	64.978	47.8	80.2
May 29	57.9	60.7	69.2	60.6	62.6	68.4	70.3	56.9	65.858	50.3	80.4

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	93	94	95	96	97	98	99	100	T _{avg}	T _{min}	T _{max}
May 30	60.4	63.3	70.3	60.5	59.3	60.4	84.6	56.7	66.403	52.9	84.6
May 31	59.6	71.1	65.6	65.3	64.3	63.1	74.9	60.9	65.735	52.1	76.2
Jun 1	61.0	75.3	64.8	62.5	64.1	65.6	71.7	64.9	66.554	51.0	83.2
Jun 2	71.6	77.4	57.6	61.6	60.4	65.2	82.3	58.8	66.560	49.5	82.3
Jun 3	76.4	79.5	55.0	65.6	61.3	63.8	82.8	63.1	66.961	49.6	82.8
Jun 4	74.3	81.3	51.6	65.9	70.7	66.1	73.4	66.4	67.479	51.6	81.3
Jun 5	74.8	80.6	58.7	63.7	69.7	66.0	78.7	69.6	66.976	52.5	80.6
Jun 6	75.4	79.9	57.6	60.1	71.7	77.5	75.4	73.9	67.900	54.2	81.3
Jun 7	62.6	73.4	58.8	53.9	70.9	75.0	77.0	70.2	67.668	53.9	80.6
Jun 8	70.7	71.4	65.4	50.7	71.8	69.3	71.6	69.6	68.173	50.7	81.8
Jun 9	68.6	71.1	67.5	53.9	64.7	64.5	68.0	72.6	68.409	53.9	82.4
Jun 10	68.6	66.6	59.1	59.0	60.1	66.6	73.7	74.3	68.631	54.5	82.6
Jun 11	69.8	68.3	69.7	64.3	61.0	71.2	67.5	67.0	68.210	51.3	81.4
Jun 12	70.1	65.6	67.8	72.7	65.7	66.2	73.0	63.8	68.355	49.9	80.6
Jun 13	70.6	67.5	71.5	71.2	67.9	72.8	66.4	70.7	68.694	53.2	80.9
Jun 14	66.4	72.9	68.7	64.0	71.8	77.2	70.0	69.9	69.813	58.2	83.1
Jun 15	73.6	71.0	73.9	69.5	76.4	74.5	70.8	76.5	69.929	54.3	81.4
Jun 16	76.2	76.0	69.4	68.2	71.5	70.3	72.2	77.1	70.310	57.5	79.9
Jun 17	79.8	69.7	75.6	73.6	70.2	70.7	69.6	71.7	70.850	55.5	80.8
Jun 18	79.3	75.6	72.9	71.9	72.1	71.2	71.9	76.2	71.280	57.2	84.5
Jun 19	72.3	73.8	66.6	66.0	66.0	73.6	78.1	69.3	71.003	58.2	83
Jun 20	68.4	73.1	66.8	70.0	66.2	69.4	66.4	66.2	70.413	56.7	81.6
Jun 21	63.9	67.8	68.8	66.5	67.7	61.0	66.8	70.2	70.512	55.5	84.6
Jun 22	64.6	69.0	70.7	75.5	68.2	59.8	68.6	67.3	71.103	57.2	84.2
Jun 23	68.7	76.7	69.5	71.0	66.7	65.6	70.4	73.5	70.964	57.1	80.9
Jun 24	78.0	74.0	72.1	74.2	70.0	69.9	72.2	69.9	71.347	56.8	82.3
Jun 25	74.2	72.9	64.2	66.5	63.6	73.8	74.4	75.4	71.603	60.2	83.2
Jun 26	69.2	69.5	66.4	71.7	66.9	71.5	76.7	74.4	71.793	59.8	84.6
Jun 27	68.0	72.2	70.3	70.0	69.2	71.1	73.7	73.7	72.156	59.6	80.7
Jun 28	71.2	76.1	66.2	70.8	70.0	67.8	75.8	75.5	72.299	56.7	80.2
Jun 29	70.6	78.6	68.2	70.6	72.4	71.9	77.1	74.3	72.912	59.9	84
Jun 30	66.1	77.2	70.4	74.7	72.9	68.8	82.9	75.3	76.799	66.1	88.7
Jul 1	68.5	90.2	72.8	77.4	75.8	76.6	80.9	81.3	79.351	68.5	95.1
Jul 2	72.3	82.0	72.0	76.1	70.3	73.0	86.4	79.4	79.421	67.1	92.6
Jul 3	80.8	79.5	73.1	77.0	69.0	72.7	80.9	77.1	79.333	65.9	94.2
Jul 4	78.7	79.6	74.5	80.8	67.1	76.5	78.1	80.8	79.886	66.9	87
Jul 5	82.6	84.2	72.3	83.1	70.3	82.2	79.6	83.2	80.014	70.3	90
Jul 6	83.4	86.6	78.6	88.8	74.7	84.1	79.0	81.0	80.047	71.2	91.1
Jul 7	86.5	84.1	74.7	86.3	76.8	82.3	80.2	78.8	79.956	68.0	91.6
Jul 8	81.2	79.6	82.3	82.9	78.8	80.3	80.2	73.2	79.908	68.4	89.2
Jul 9	80.0	85.3	84.4	84.0	78.4	81.0	83.2	76.0	79.809	64.5	90.2
Jul 10	78.5	80.7	84.2	83.3	82.5	81.0	83.0	74.9	79.786	70.4	91.1
Jul 11	78.6	78.4	81.2	78.6	81.7	78.5	83.4	79.5	79.961	70.2	87.9
Jul 12	79.7	76.8	80.4	78.1	87.5	78.3	83.7	77.0	80.578	72.1	90.1
Jul 13	85.4	79.4	84.0	75.3	85.9	81.2	83.2	79.9	80.659	72.4	89.3
Jul 14	85.0	73.5	75.3	75.8	79.4	81.9	78.7	82.0	80.269	69.9	90.4
Jul 15	79.8	69.5	78.0	73.5	76.0	80.0	77.3	78.9	79.874	69.5	88.1
Jul 16	79.2	78.6	79.9	83.9	76.7	78.5	74.1	81.2	79.405	71.4	88.2
Jul 17	82.4	79.9	80.6	83.0	76.2	78.5	78.5	77.4	79.795	71.1	88.2
Jul 18	82.0	81.5	78.4	77.8	78.8	77.4	79.2	82.1	80.497	70.8	89.9
Jul 19	79.1	79.4	83.6	83.0	83.0	80.3	80.9	81.6	80.576	70.8	92.7
Jul 20	83.5	73.9	76.4	82.7	84.9	82.7	83.9	84.6	80.683	71.0	89.6
Jul 21	86.7	75.7	76.9	79.6	84.4	78.7	86.9	88.4	80.942	67.9	89.2
Jul 22	87.6	77.7	78.0	74.0	85.5	84.4	78.2	85.7	80.526	70.6	87.9
Jul 23	84.1	84.4	81.2	74.2	86.1	73.5	80.0	81.0	80.509	71.0	89.2
Jul 24	81.1	84.3	77.1	79.0	83.0	76.6	75.5	78.2	80.260	70.4	88.5
Jul 25	79.0	85.8	80.3	85.9	87.6	73.5	76.7	75.7	80.458	68.9	91
Jul 26	84.2	90.4	77.0	85.9	90.4	70.5	72.6	78.3	79.710	66.5	90.4
Jul 27	85.1	87.4	78.0	83.8	82.9	74.9	67.4	77.1	79.127	66.2	92.4
Jul 28	81.9	83.5	77.9	82.8	82.2	74.1	74.7	71.4	78.736	66.1	90
Jul 29	82.1	82.4	78.1	81.7	81.3	77.2	73.4	66.8	78.920	66.8	90.6
Jul 30	82.9	87.4	79.8	85.1	84.4	82.5	75.0	66.0	79.557	66.0	91.2
Jul 31	76.4	84.8	83.0	77.8	85.6	76.8	73.7	74.2	79.542	70.0	89.9
Aug 1	83.4	84.5	80.4	81.1	86.8	85.0	77.2	77.0	79.894	69.3	89.8
Aug 2	75.6	87.4	83.1	85.5	82.6	81.7	82.8	77.7	79.471	69.7	89.9
Aug 3	75.9	80.3	81.8	85.0	77.1	77.3	82.8	74.6	79.288	70.6	89
Aug 4	76.8	83.4	78.9	82.3	82.3	83.6	90.9	82.7	79.687	64.5	91.5
Aug 5	80.3	82.5	78.1	83.3	81.3	84.0	90.0	79.8	79.212	64.2	90
Aug 6	78.8	83.0	74.4	83.0	84.9	84.6	87.3	81.2	78.705	67.1	90.6
Aug 7	76.7	82.1	77.7	77.5	83.5	74.4	86.2	76.2	78.427	63.4	88.3
Aug 8	76.6	79.8	77.6	79.6	78.0	77.2	87.8	77.5	78.242	65.9	90.1
Aug 9	77.8	84.2	75.7	77.5	78.8	77.8	84.6	81.1	78.414	64.2	87.7
Aug 10	78.8	81.4	77.6	79.7	75.8	80.6	83.0	85.9	77.932	67.2	89.9
Aug 11	75.4	77.4	81.0	74.1	75.1	82.8	82.7	91.4	77.545	64.1	91.4
Aug 12	76.7	78.2	76.0	82.5	74.8	75.5	84.4	84.9	76.886	63.7	92.3

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	93	94	95	96	97	98	99	100	T _{avg}	T _{min}	T _{max}
Aug 13	78.5	71.3	79.2	80.1	75.2	71.4	82.8	79.1	76.470	66.6	88
Aug 14	81.8	75.4	77.5	82.3	83.4	75.2	80.4	81.4	76.451	63.5	91.9
Aug 15	83.1	79.3	80.6	82.8	82.3	77.2	87.8	75.6	76.766	64.9	91.4
Aug 16	81.0	85.2	75.2	84.3	73.5	78.6	75.2	72.4	76.300	65.1	90.8
Aug 17	73.5	82.2	69.9	78.0	74.1	79.3	75.5	77.0	76.030	65.1	89.3
Aug 18	79.1	77.6	70.3	80.1	74.1	74.1	83.3	83.1	76.087	61.2	88.1
Aug 19	72.2	78.3	76.3	79.2	73.3	75.6	75.1	79.7	76.356	63.8	85.6
Aug 20	79.1	82.4	74.2	80.0	68.1	72.3	71.6	80.3	76.515	60.7	86.4
Aug 21	79.5	81.0	74.0	77.7	77.3	76.4	75.6	74.6	76.239	64.0	88.3
Aug 22	80.9	78.6	69.6	78.7	83.4	73.9	75.4	73.5	76.273	63.5	84.6
Aug 23	85.7	76.4	70.8	71.6	83.8	74.3	77.7	77.3	75.546	63.0	88
Aug 24	84.2	72.7	66.8	75.5	86.4	76.6	81.7	76.2	75.547	64.7	86.4
Aug 25	71.6	77.2	66.1	70.7	81.2	79.5	75.8	78.9	74.895	60.5	88.1
Aug 26	76.8	77.5	68.9	71.9	75.4	79.0	80.1	78.7	74.620	61.0	85.4
Aug 27	73.9	73.5	67.9	70.8	83.8	76.8	78.5	73.9	74.268	61.6	84.8
Aug 28	72.7	73.1	68.1	74.0	81.7	79.1	76.1	69.3	73.285	55.9	88.9
Aug 29	72.4	78.1	72.8	74.9	72.6	79.3	71.5	68.6	73.039	56.7	86.6
Aug 30	67.9	78.3	72.0	77.2	71.3	71.0	75.1	74.8	72.990	58.4	85.8
Aug 31	58.5	73.4	74.0	73.3	59.8	70.2	74.1	66.9	69.384	53.2	83.3
Sep 1	57.6	66.1	73.4	69.7	59.9	66.4	66.2	62.5	68.035	56.0	84.1
Sep 2	61.3	62.3	73.9	70.5	63.8	64.5	65.6	58.5	68.123	51.4	84.1
Sep 3	71.6	58.6	77.9	70.5	62.2	64.7	61.5	62.9	67.781	51.8	82.5
Sep 4	70.0	55.2	76.5	70.2	73.2	60.2	66.1	64.7	67.633	54.2	85.7
Sep 5	72.2	65.5	72.4	68.2	75.0	62.3	63.1	70.8	67.805	51.5	84.9
Sep 6	64.6	58.6	71.9	75.4	80.4	62.0	69.1	75.6	67.891	47.8	83.7
Sep 7	65.4	67.9	65.8	72.9	78.4	60.4	74.5	69.6	67.084	50.1	82.4
Sep 8	70.3	66.6	59.9	68.0	66.5	53.0	64.7	70.4	66.392	49.4	85.3
Sep 9	66.4	58.8	60.1	67.0	65.3	50.8	61.5	61.0	65.869	49.4	83.4
Sep 10	68.4	70.7	68.0	74.8	62.8	53.6	68.6	67.2	66.005	50.2	82.8
Sep 11	66.1	67.3	64.6	71.4	61.3	60.0	70.6	63.8	66.164	48.0	80
Sep 12	66.0	63.5	65.1	69.2	63.4	67.9	68.9	64.6	66.171	50.0	81.2
Sep 13	72.6	51.4	74.2	78.6	60.4	57.7	73.5	65.6	65.454	51.4	83.7
Sep 14	77.0	44.1	68.1	66.0	64.4	60.7	69.0	63.6	65.006	44.1	81.1
Sep 15	63.4	43.2	64.8	67.8	70.7	67.9	64.2	64.2	65.704	43.2	81.4
Sep 16	67.8	56.3	64.0	66.4	74.0	71.3	65.4	68.7	65.623	51.7	79.8
Sep 17	62.7	71.2	62.9	76.7	69.5	68.9	59.9	67.5	65.849	47.4	82.1
Sep 18	56.5	64.1	53.7	65.9	69.8	73.3	58.1	75.7	64.064	43.5	85.2
Sep 19	54.2	52.3	62.4	66.5	66.7	71.4	59.4	71.7	63.534	48.6	80.9
Sep 20	54.7	51.0	67.9	60.5	66.1	64.6	71.1	68.5	63.046	48.1	75.9
Sep 21	51.0	56.6	63.2	60.2	63.4	65.8	68.4	65.6	62.893	47.3	77.9
Sep 22	59.2	53.6	61.0	65.5	64.0	63.4	61.8	78.7	62.816	46.8	78.8
Sep 23	64.3	57.2	59.3	54.2	68.8	59.0	61.9	72.5	61.962	48.2	78.9
Sep 24	62.0	56.9	62.7	57.9	72.9	52.1	59.9	73.2	62.036	45.9	76.9
Sep 25	68.0	51.4	62.8	68.1	63.6	52.3	66.4	78.4	62.245	49.2	78.5
Sep 26	57.5	54.4	71.5	66.8	62.5	54.0	72.4	80.9	62.630	46.0	81.2
Sep 27	49.7	50.6	69.6	67.9	55.1	50.6	71.0	66.4	61.182	41.1	85.9
Sep 28	52.4	60.4	69.8	61.1	52.4	47.4	68.4	63.8	60.715	39.4	79.5
Sep 29	60.9	54.5	73.0	56.0	58.3	37.2	65.0	58.8	59.524	37.2	75.6
Sep 30	50.5	53.8	63.7	54.8	51.1	42.4	55.6	54.4	57.201	40.1	80
Oct 1	44.7	66.2	69.1	62.4	50.4	47.6	56.8	51.5	55.844	37.0	75.9
Oct 2	44.0	71.3	59.1	51.8	53.7	48.5	49.8	52.2	54.587	33.4	75.4
Oct 3	56.4	59.8	60.2	40.1	60.3	51.4	61.2	51.5	54.720	39.8	72.9
Oct 4	65.9	71.6	59.7	43.0	62.6	49.6	62.6	51.2	55.459	33.2	71.6
Oct 5	55.4	66.1	53.3	39.9	63.1	47.5	53.3	52.8	54.959	34.9	75.1
Oct 6	51.6	65.5	55.0	46.3	76.3	52.4	48.8	45.1	53.383	32.4	76.3
Oct 7	55.9	70.0	61.6	54.6	58.8	48.7	64.0	53.9	53.973	33.6	74.6
Oct 8	48.8	72.8	55.8	55.4	55.1	54.2	58.9	57.9	53.597	36.5	72.8
Oct 9	51.0	66.6	52.7	55.4	49.9	56.7	46.5	48.4	53.204	35.0	72.6
Oct 10	58.8	65.0	54.9	57.8	52.8	50.7	50.9	39.3	52.368	31.2	72.5
Oct 11	64.4	59.0	52.1	52.1	55.8	49.2	55.1	40.6	51.714	31.4	69.6
Oct 12	53.7	57.1	61.1	50.2	53.8	44.3	55.5	53.9	52.110	27.7	77.6
Oct 13	59.7	59.7	56.4	61.4	46.7	45.2	46.1	53.6	52.291	33.9	77.6
Oct 14	59.4	52.0	43.1	50.5	56.3	50.8	40.5	60.8	51.923	32.8	72.8
Oct 15	57.0	53.1	53.3	57.1	55.1	50.2	49.8	57.8	50.652	31.4	67.3
Oct 16	48.3	48.5	64.2	58.1	49.1	49.8	59.2	44.2	50.793	32.5	65.8
Oct 17	45.2	45.8	60.7	59.8	58.4	49.9	60.7	50.2	50.279	24.0	67.2
Oct 18	56.8	46.2	45.9	61.3	57.4	50.8	58.1	50.8	49.801	24.3	69.6
Oct 19	64.4	36.7	42.0	58.9	58.9	38.3	62.6	52.3	49.024	21.8	77.7
Oct 20	56.3	41.1	38.9	43.9	55.6	41.5	42.1	54.0	47.273	24.5	73.5
Oct 21	46.8	33.9	44.9	48.7	56.8	45.3	45.1	53.5	47.397	23.3	73
Oct 22	46.2	42.9	35.7	49.6	54.2	38.0	45.2	43.9	46.454	19.0	75.2
Oct 23	50.1	49.7	47.6	52.1	48.9	46.7	44.7	54.0	45.695	20.8	61.7
Oct 24	42.5	50.7	52.4	48.4	54.4	51.5	42.8	59.0	46.303	29.3	67
Oct 25	42.3	48.6	46.2	45.5	46.5	45.9	36.4	54.5	46.157	23.0	69.8
Oct 26	43.3	52.1	38.0	51.3	57.1	34.7	35.1	63.0	45.012	25.2	74.7

TABLE 5. SUMMARY AND EVALUATION OF DAILY TEMPERATURE DATA IN HELP MODEL 100-YEAR SYNTHETIC WEATHER DATA SET

YEAR->	93	94	95	96	97	98	99	100	T _{avg}	T _{min}	T _{max}
Oct 27	53.8	55.8	49.9	51.8	54.2	37.6	36.3	48.8	45.034	27.1	66.6
Oct 28	58.2	50.4	50.7	57.0	51.2	42.5	43.5	57.4	44.906	24.8	62.9
Oct 29	61.6	62.6	49.7	52.6	56.8	38.9	48.4	62.8	45.039	28.1	62.8
Oct 30	67.5	58.1	50.2	58.8	43.9	42.5	52.0	50.8	45.665	27.1	67.7
Oct 31	56.9	52.2	51.7	56.2	23.8	48.9	36.6	58.1	44.230	23.8	64.1
Nov 1	56.3	49.2	35.0	59.0	20.6	36.3	42.8	60.1	43.463	20.6	65.6
Nov 2	62.1	46.0	34.4	67.6	28.1	35.9	44.5	54.8	41.767	24.6	67.6
Nov 3	54.9	44.5	44.6	58.7	23.9	29.5	39.1	46.0	41.388	17.3	65.9
Nov 4	48.2	48.7	51.8	57.4	40.9	36.8	38.8	58.7	41.680	12.9	62.6
Nov 5	32.6	53.8	43.8	62.8	37.9	47.6	33.7	49.3	40.342	16.6	62.8
Nov 6	28.1	57.3	37.4	57.8	39.6	37.4	36.7	42.2	40.308	19.5	62.2
Nov 7	30.5	57.6	43.4	49.1	48.3	46.5	41.6	29.8	40.709	23.4	57.6
Nov 8	45.0	54.8	45.1	36.0	44.3	48.0	39.8	30.4	39.278	19.1	64.3
Nov 9	38.0	40.5	50.7	30.5	42.2	53.4	38.1	35.1	39.300	17.1	61.3
Nov 10	28.6	45.9	40.8	23.7	51.2	55.9	41.5	45.2	38.686	17.3	58.9
Nov 11	34.9	34.3	49.4	17.9	47.1	43.0	53.9	37.5	38.196	17.9	56.2
Nov 12	27.9	40.8	42.9	18.1	55.2	40.9	58.5	28.0	38.009	18.1	58.5
Nov 13	28.0	40.7	36.2	19.1	44.8	38.0	42.6	33.9	37.771	12.4	60.2
Nov 14	45.4	44.7	30.7	30.4	56.1	40.8	37.1	26.0	38.263	16.1	58.9
Nov 15	43.4	53.7	22.6	32.6	50.7	41.9	47.6	29.6	36.333	18.5	67.9
Nov 16	46.2	44.6	31.4	25.7	58.4	40.3	44.2	26.2	36.075	17.7	66
Nov 17	37.5	39.6	28.5	33.3	51.9	33.1	39.2	24.4	35.740	18.3	63.5
Nov 18	32.7	55.8	32.4	38.9	41.8	29.0	42.5	27.8	35.395	17.5	56.3
Nov 19	33.9	44.5	39.7	40.8	52.2	46.5	40.5	31.8	35.486	14.9	62.7
Nov 20	40.3	37.6	32.9	43.4	35.6	43.4	53.2	27.3	36.360	16.0	54
Nov 21	35.7	38.6	28.1	44.0	41.4	38.9	44.4	27.7	36.425	14.6	53.8
Nov 22	40.3	40.6	31.7	45.0	45.0	53.2	39.8	29.1	36.598	12.6	58.8
Nov 23	37.7	40.6	37.3	47.1	29.2	57.8	34.7	30.1	36.087	14.5	60
Nov 24	37.1	44.0	29.9	47.4	26.1	36.7	30.2	25.2	35.597	11.9	65.1
Nov 25	31.3	39.0	34.8	32.9	29.0	46.5	27.8	23.2	34.131	12.9	53.2
Nov 26	32.3	39.9	41.3	27.8	37.3	39.7	26.3	20.7	33.648	13.9	53.4
Nov 27	39.1	41.7	39.5	32.1	27.5	40.2	27.3	17.9	32.689	7.4	51.6
Nov 28	24.6	38.1	35.9	36.7	28.9	41.7	29.6	22.9	31.890	9.5	51.9
Nov 29	23.5	40.2	38.0	34.4	25.9	41.9	35.1	24.4	31.391	13.8	54.4
Nov 30	11.7	43.1	43.6	29.4	34.2	41.6	24.7	25.1	31.422	3.6	50.3
Dec 1	15.3	40.3	40.9	29.3	33.1	34.5	25.7	23.9	30.498	7.4	49.4
Dec 2	14.8	39.4	28.0	26.9	46.9	19.9	12.3	26.4	30.225	12.3	53.6
Dec 3	20.5	41.3	17.7	27.0	33.5	23.9	14.9	24.2	29.905	12.1	55.2
Dec 4	18.5	40.0	24.5	24.7	30.1	19.9	19.8	27.0	29.437	9.3	51.6
Dec 5	32.6	32.4	18.7	28.7	35.5	16.9	21.2	19.8	29.324	7.1	49.7
Dec 6	27.0	36.7	18.4	22.4	36.4	14.6	21.9	20.1	29.344	7.8	50.2
Dec 7	26.6	38.3	15.1	22.9	25.8	18.9	24.0	17.1	29.588	12.5	50.9
Dec 8	29.1	32.9	20.3	21.9	22.5	17.6	23.5	24.7	29.272	11.9	48.4
Dec 9	21.2	36.9	27.8	24.6	28.0	17.7	34.7	35.0	28.846	10.7	50.8
Dec 10	28.4	36.7	33.2	34.4	22.9	20.6	40.3	37.6	27.155	12.9	51.7
Dec 11	31.9	33.9	26.7	28.4	23.5	19.8	37.2	27.1	27.192	6.6	45.8
Dec 12	34.4	28.2	25.6	26.0	30.6	26.2	24.4	23.4	27.095	9.3	47.4
Dec 13	30.2	38.3	26.5	26.8	24.4	25.1	15.9	23.1	26.533	7.8	43.2
Dec 14	30.5	30.1	28.3	20.7	22.2	17.1	8.5	32.9	27.642	8.5	47.4
Dec 15	29.9	33.3	19.2	16.9	22.0	26.4	12.9	25.4	27.271	11.0	48
Dec 16	21.4	36.3	23.1	19.9	24.7	21.5	20.3	30.6	27.068	8.1	44.9
Dec 17	19.4	31.4	28.7	31.3	17.8	19.5	18.1	22.1	26.288	8.5	48.4
Dec 18	32.1	34.5	31.6	41.1	17.0	28.7	17.5	21.7	26.759	12.0	47.5
Dec 19	29.3	29.6	36.3	44.1	26.3	29.7	19.5	36.1	27.359	2.5	45.1
Dec 20	24.9	33.3	38.0	37.5	21.6	32.2	15.7	30.3	28.049	7.1	46
Dec 21	21.2	24.4	29.7	25.4	28.2	32.1	15.3	38.3	27.016	4.6	51.3
Dec 22	22.9	29.8	26.5	33.9	28.5	27.7	19.2	30.1	27.268	12.2	41.8
Dec 23	31.3	32.1	37.3	21.3	14.4	21.0	30.0	39.1	27.283	11.5	45.3
Dec 24	22.7	25.7	38.2	25.5	27.5	15.5	30.0	23.7	26.316	4.8	44.2
Dec 25	24.7	16.9	33.1	14.8	33.4	14.0	44.5	25.2	25.454	10.2	44.5
Dec 26	32.3	24.5	35.2	25.4	33.8	14.7	38.8	29.6	25.339	4.2	41
Dec 27	28.9	17.9	27.5	32.0	33.0	18.8	30.4	32.1	25.247	5.6	47.8
Dec 28	25.4	26.1	27.5	30.7	42.4	20.0	26.6	32.7	24.658	4.5	43.2
Dec 29	20.4	29.2	20.7	31.0	48.2	18.2	24.7	37.8	24.531	6.5	48.2
Dec 30	16.7	24.3	17.3	38.0	45.7	23.1	22.1	29.0	25.281	6.8	45.7
Dec 31	35.0	35.0	35.0	28.2	28.2	28.2	28.2	28.8	23.390	11.4	35.9

Mean	51.3	53.1	52.1	51.5	53.3	51.1	52.3	51.1
Min	11.6	9.8	7.8	12.4	14.4	14.0	7.6	9.6
Max	87.6	90.4	84.4	88.8	90.4	85.0	90.9	91.4

Average daily temp:	51.69
Min daily temperature:	2.50
Max daily temperature:	95.1