

## METR 104 In-class Exercise: Plotting Temperature and Dew Point Temp. vs. Time

The weather data below were recorded at Sacramento Executive Airport (KSAC) at the dates and times indicated. On the attached blank graph:

- (1) plot the surface temperature (column “T” below) and dew point temperature (column “TD”) recorded at KSAC vs. time; and
- (2) label the graph so that anyone reading it will have a good chance of understanding what it shows.

When you’re done, we’ll examine several graphs selected from the class at random and try to identify the strengths and weaknesses of each, and summarize some good graphing practices.

Data for KSAC from 1200Z 12 JAN 12 to 1200Z 13 JAN 12

ID	TIME	T	TD	RH	DIR	SPD	GST	ALT	SLP	VIS	CIL	COV	WX	MAX	MIN	PR6	PR24	SC
KSAC	1200	33	30	88	0	0		011	196	7		CLR						
KSAC	1300	34	30	85	0	0		011	195	8		CLR						
KSAC	1400	32	29	88	0	0		011	197	6		CLR	H					
KSAC	1500	33	30	88	0	0		012	199	5		CLR	H					
KSAC	1600	36	32	85	320	3		014	204	9		CLR						
KSAC	1700	43	35	73	330	3		015	208	10		CLR						
KSAC	1800	50	35	56	330	5		015	210	10		CLR						
KSAC	1900	54	35	49				015	207	10		CLR						
KSAC	2000	58	30	34	320	5		012	198	10		CLR						
KSAC	2100	62	27	26	350	9		009	189	10		CLR						
KSAC	2200	64	28	26	330	7		007	182	10		CLR						
KSAC	2300	64	26	24	350	9		006	180	10		CLR						
KSAC	0000	64	27	24	360	6		007	182	10		CLR						
KSAC	0100	60	27	28	20	4		007	181	10		CLR						
KSAC	0200	52	31	44	0	0		007	183	10		CLR						
KSAC	0300	47	30	52	0	0		008	187	10		CLR						
KSAC	0400	44	31	59	0	0		010	192	10		CLR						
KSAC	0500	42	31	64	0	0		012	200	10		CLR						
KSAC	0600	40	29	64	0	0		013	203	10		CLR						
KSAC	0700	38	31	76	0	0		015	210	10		CLR						
KSAC	0800	37	30	76	0	0		016	213	8		CLR						
KSAC	0900	36	30	79	0	0		018	218	8		CLR						
KSAC	1000	34	31	88	0	0		018	220	9		CLR						
KSAC	1100	35	30	81	0	0		019	223	10		CLR						
KSAC	1200	34	28	78	0	0		020	225	10		CLR						