


















APanel Extend Brief Manual

First released: Jan 3, 2011; Last modified: Jan 3, 2011

APanel Extend (APE) is aiming at providing state-of-the-art weather forecast for astronomers. APE provides 8-day forecast in a step of 3-hour. The panel is arranged by time: one column refers to one given day, and one row refers one given hour. For each time point, there will be one or two icons illustrating the predicting weather condition as well as digital numbers presenting the predicted temperature in Centigrade or Fahrenheit. Each icon and the meaning it donated is illustrate in the table below.

	Fine (<20% cloud)	Mostly Fine (20%-60% cloud)	Cloudy (60%-80% cloud)	Overcast (>80% cloud)
No Rainfall	Day  Night 	Day  Night 		
Rain	Day  Night 			
Snow	Day  Night 			

Additionally, there are three “warning signals”.

Icon	Meaning
 Very Wet	>90% Relative Humidity
 T-storm	Lifted Index <-1; Thunderstorm possible
 Windy	Wind expected to reach Strong/Gale or higher

The color of the temperature values are assigned according to the conversion table below.

	0C to 5C	5C to 10C	10C to 15C	15C to 20C	20C to 25C	25C to 30C	30C to 35C	35C to 40C	40C to 45C	45C to 50C	50C to 55C	55C to 60C	>60C		
	32F to 41F	41F to 50F	50F to 59F	59F to 68F	68F to 77F	77F to 86F	86F to 95F	95F to 104F	104F to 113F	113F to 122F	122F to 131F	131F to 140F	>140F		
<-75C	-75C to -70C	-70C to -65C	-65C to -60C	-60C to -55C	-55C to -50C	-50C to -45C	-45C to -40C	-40C to -35C	-35C to -30C	-30C to -25C	-25C to -20C	-20C to -15C	-15C to -10C	-10C to -5C	-5C to 0C
<-103F	-103F to -94F	-94F to -85F	-85F to -76F	-76F to -67F	-67F to -58F	-58F to -49F	-49F to -40F	-40F to -31F	-31F to -22F	-22F to -13F	-13F to -4F	-4F to 5F	5F to 14F	14F to 23F	23F to 32F