



Meteorologist: \_\_\_\_\_

Date: \_\_\_\_\_



**Big Question:** *Is the barometric pressure rising or falling?*

When barometric pressure falls rapidly storms are on the way! Fill in the weather data from the Digital Display. Use the table to predict the weather conditions for the launch. Weather conditions in bold print may delay the launch. Share your information with the weather officer to determine whether the weather conditions will permit, delay, or scrub the launch.

<b>Time</b>	<b>Barometric Pressure</b> high 30+ or low 29.95-	<b>Pressure Trend</b> Is the pressure rising, falling or holding steady?	<b>Is it rising or falling</b> <b>rapidly or slowly?</b>	<b>Weather Conditions</b> <b>Prediction</b>



### Wind and Pressure Weather Table

Direction	Barometric Pressure Reading	Barometric Pressure Trend	Weather Conditions	Launch Yes/No
<b>SW to NW</b>	30.10 to 30.20	and steady	Fair with slight temperature change for 1 to 2 days	Yes
	30.10 to 30.20	and rising rapidly	Fair, followed within 2 days by rain	Yes
	30.20 and above	and stationary	Continued fair, with no decided temperature change	Yes
	30.20 and above	and falling slowly	Slowly rising temperature and fair for 2 days	Yes
<b>S to SE</b>	30.10 to 30.20	and falling slowly	Rain within 24 hours	Yes
	<b>30.10 to 30.20</b>	<b>and falling rapidly</b>	<b>Wind increasing in force, with rain within 12 to 24 hours</b>	<b>NO</b>
<b>S to E</b>	<b>29.80 or below</b>	<b>and falling rapidly</b>	<b>Severe storm imminent, followed within 24 hours, by clearing, and in winter by colder</b>	<b>NO</b>
<b>SE to NE</b>	30.10 to 30.20	and falling slowly	Rain in 12 to 18 hours	Yes
	30.10 to 30.20	and falling rapidly	Increasing wind, and rain within 12 hours	Yes
	30.00 or below	and falling slowly	Rain will continue 1 to 2 days	Yes
	<b>30.00 or below</b>	<b>and falling rapidly</b>	<b>Rain, with high wind, followed, within 36 hours by clearing, and in winter by colder</b>	<b>NO</b>
<b>E to NE</b>	30.10 and above	and falling slowly	In summer, with light winds, rain may not fall for several days	Yes
	30.10 and above	and falling slowly	In winter, rain within 24 hours	Yes
	<b>30.10 and above</b>	<b>and falling rapidly</b>	<b>In summer, rain probably within 12 to 24 hours</b>	<b>NO</b>
	<b>30.10 and above</b>	<b>and falling rapidly</b>	<b>In winter, rain or snow, with increasing winds, will often set in when the barometer begins to fall and the wind sets in from the NE</b>	<b>NO</b>
<b>E to N</b>	<b>29.80 or below</b>	<b>and falling rapidly</b>	<b>Severe northeast gale and heavy precipitation; in winter, heavy snow, followed by a cold wave</b>	<b>NO</b>
<b>S to SW</b>	30.00 or below	and rising slowly	Clearing within a few hours, and fair for several days	Yes
<b>Going to W</b>	29.80 or below	and rising rapidly	Clearing and colder	Yes