

* Watch out for personnel on the runway doing tasks on the range!

I.) **Extreme Heat Hazard: Heat Stress**

<http://www.cdc.gov/niosh/topics/heatstress/>

http://emergency.cdc.gov/disasters/extremeheat/heat_guide.asp

From 1979-2003, excessive heat exposure caused 8,015 deaths in the United States.

A Prevention Guide - The best defense is prevention:

- Drink more fluids (nonalcoholic), regardless of your activity level. Don't wait until you're thirsty to drink.
- Don't drink liquids that contain alcohol or large amounts of sugar—these actually cause you to lose more body fluid.
- Stay indoors and, if at all possible, stay in an air-conditioned place.
- Wear lightweight, light-colored, loose-fitting clothing.
- Limit your outdoor activity to morning and evening hours.
- Try to rest often in shady areas
- When working in the heat, monitor the condition of your co-workers and have someone do the same for you.
- Spaceflight Meteorology Group, Building 30 Weather Observations
 - Real time heat index
 - <http://www.srh.noaa.gov/smg/bldg30.php>

II.) **Follow JPR 1700.1J, “JSC Safety & Health Handbook” while you are on the range, Chapter 5.9**

Weather Safety:

Basic requirements for weather safety

When there is doubt about the potential for adverse weather conditions, adopt a conservative approach and assume the presence of adverse weather conditions. You need to be aware of and know what specific actions are required to be taken for your immediate area when notified of adverse weather conditions. You are responsible for your own safety...

Read more at the following links:

<http://jsc handbook.jsc.nasa.gov/docs/JPR1700-1ch5-9.pdf>

Use the following criteria for weather hazard decisions:

a. Base any *lightning safety decisions* on the 30/30 rule:

- 30 seconds or less flash--to-bang: Seek safe shelter.
- Wait at least 30 minutes from the last thunder before resuming outdoor activities.
- If you can't assess flash-to-bang time, use the sound of thunder as the cue to seek safer shelter.

b. Base any *severe weather safety decisions* on an NWS Severe Thunderstorm or Tornado Warning for southern Harris County or northern Galveston County. Alternately, factors should include visual observations and “common sense.” For example, a funnel cloud or small tornado that may be just forming, with no official NWS warning, should trigger protective measures for severe weather.


III.) **During Morpheus operation on the range, for your Safety:**

- a.) No radio frequency transmissions by others on the range because of RFI on flight control & cryogenic systems.
- b.) Other projects/personnel are not allowed on the range

IV.) The range is for NASA testing, other users (RC model plane club, rocket club, etc.) are guests and have lower priority than NASA testing programs.

September 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2  Labor Day	3	4  EA3 Morpheus Test Staging, Preparation Range closed, No RC clubs on Range. day & night	5  EA3 Morpheus Tether GTAL Test No RC clubs on Range	6  EA3 Morpheus Seal Evaluation Test 7 AM – 3 PM, No RC clubs on Range during testing	7
8	9	10 EV6 RF Network Test	11	12  EA3 Morpheus Test. No RC clubs on Range during testing	13	14
15	16	17  Morpheus Test No RC clubs on Range	18  Morpheus Test No RC clubs on Range	19	20	21
 <div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 10px auto; width: 60%;">Morpheus Reserved Week</div>						

22	23	24  Morpheus GTAL Test No RC clubs on Range	25	26	27	28
29	30					

October 2013						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14  Columbus Day	15	16	17	18	19

20	21	22	23	24	25	26 JS Test on Range's East Side. RC Clubs on Range's West Side
27 RC Clubs on Range's West Side	28	29	30	31 Halloween		

JS Test on Range's East Side

November 2013						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2

JS Test on Range's East Side. RC Clubs on Range's West Side

Notes:

3-2-12 : non-governmental users: Antenna Test Range is a governmental asset, a NASA work has first priority to use; the Range can be preempted at any time for a NASA test.

26-Mar-2013: From this date on, RC Clubs operate only on EAST side of the Range, stay away from the Morpheus pads. RC operations are restricted from areas, North and West sides of the pads, the areas with Liquid Oxygen and Helium tank trailers.

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