

Fall 1 2023
14Sept, 2nd Thurs
Notes

Autumnal or Fall Equinox, "The passing of the Year", harvest time, The Change of Seasons

1 Sept: Start of meteorological Fall, Climatological changes
22-23 Sept: Astronomical Autumn, Sun crosses the Equator
21Sept 2000yrs ago and in 2092 & 2096
24Sept in 1931 & 2303

15 Sept 2023: Rosh HaShanah (Ras' Ha' S'anna) = Head (First) of the Hebrew year (or at least one of them).

Star Names: Sad (Sa'Ad) = Lucky, Fortunate one
Fom (Fum) = Mouth
More descriptions next month

Climate (cyclic, chronic) /Weather (temporary, acute) Issues:
Atlantic meridional overturning circulation (AMOC)
Atlantic Decadal Variation (ADV)
El Niño/La Niña Southern Oscillation (ENOS)
Madden-Julian Oscillation (MJO)
Variations of Polar Vortex (AO, NAAO, AOPV)

Volcanic Activity:

Deccan & Siberian Traps, Columbia River Basalt Flood: (long scale events)

Polynesian Eruptions

Typical Sulphur eruptions: (lowers temperature)

Toba 71-74K BCE

Krakatau (et al) 535 CE

Tambora 1815 CE

Rare Water Eruptions: (raises temperature)

Hunga Tonga-Hunga Ha'apai 2022 CE

Kasatochi 2008 CE, Calbuco 2015 CE