

What is the climatological expected number of “Good cases for TCI”?

“Good case for TCI”:

- Occurs within July 15-Oct 31
- At some point in its life cycle the center is within 600 nm of at least 1 base
- Max intensity of TC during the time period in which it is within 600 nm of a base is at least hurricane strength.
- Certainly not all cases we would want to fly fit this exact definition, so this is a rough estimate

Result: Climatological expected number of good cases for TCI: 3.2 – 4.5* TCs

TC activity declines by ~25% in an average El Niño year relative to overall average year, so perhaps an estimate of good cases for 2015 is 2.4 – 3.4* TCs.

*Range depends on which set of forward operating bases we use

Expected number of TCs centered within 600 nm of any of a set bases during the July 15-Oct 31 time period (based in 1944-2013 HURDAT2 data)

	All TCs	TS, H, MH	H, MH	MH
EFD, MCF, LFI	6.8	5.5	3.2	1.3
EFD, MCF, LFI, BDA	8.4	7.0	4.1	1.9
EFD, MCF, LFI, BDA, STX	9.6	7.9	4.5	2.1
Entire basin	12.2	9.5	5.5	2.5

