

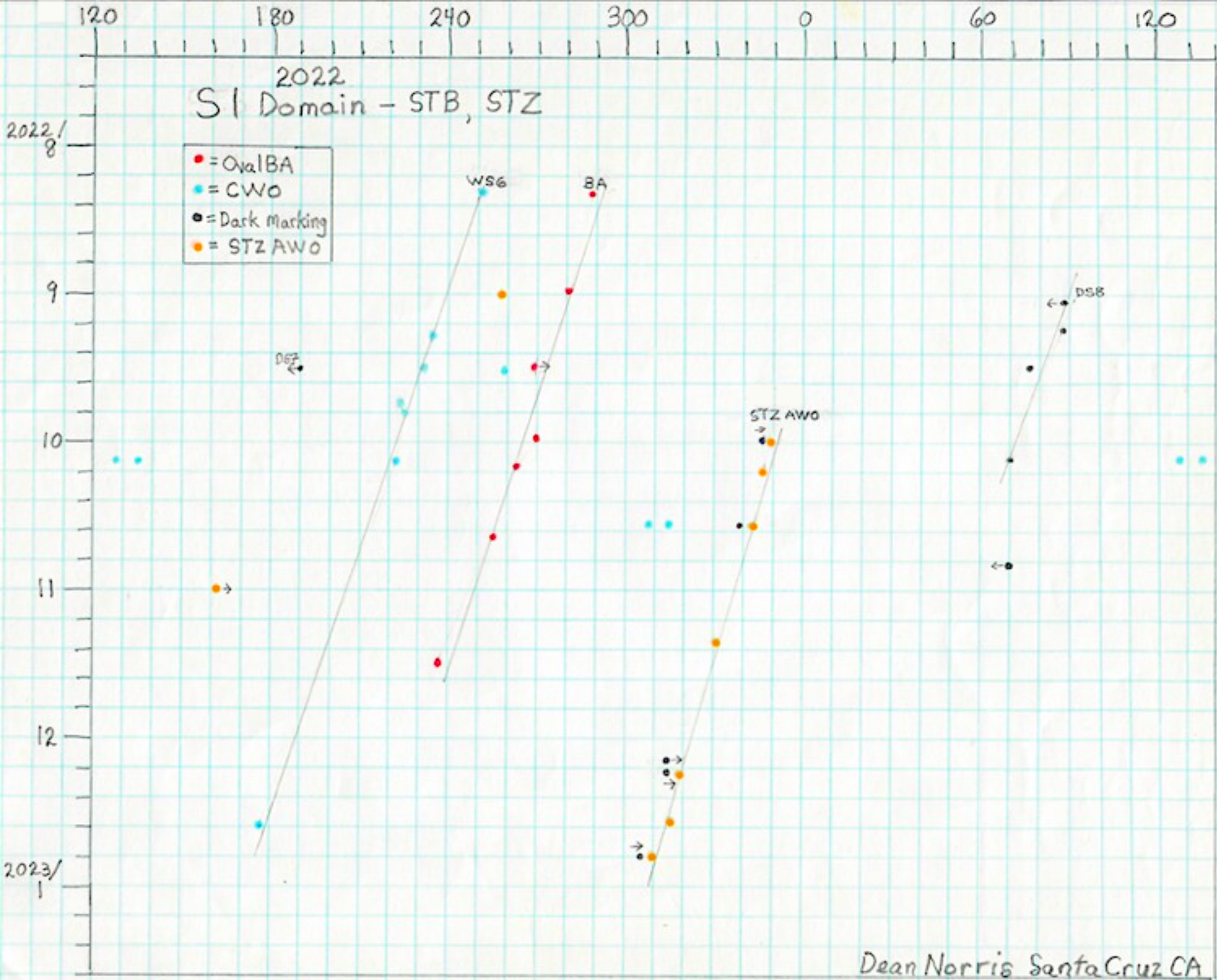
Dean Norris Santa Cruz CA

2022 Mean Dirt Rate S2 Domain

Object and Location	Limiting Dates 2022 + Month/Day	Mean Drift Rate in Degrees per 30 Days	Slow Current
A4 SSTB	9/7 - 10/3	-26.0°	S.S. Temperate Current
A5 SSTB	7/16 - 10/25	-26.0°	“ “
A7 SSTB	8/31 - 10/25	-29.0°	“ “
A8 SSTB	8/31 - 12/17	-30.3°	“ “
CWO SSTB	8/2 - 10/25	-26.5°	“ “

2022 Summary S2 Domain

Object	Location	Sense	Current	Drift	Trend
AWOs (A2, A3, A4, A5, A7, A8)	SSTB	Anticyclonic High Pressure	S.S. Temperate	Decreasing Longitude Prograding Eastward	Acceleration
CWO	SSTB	Cyclonic Low Pressure	S.S. Temperate	Decreasing Longitude Prograding Eastward	Acceleration

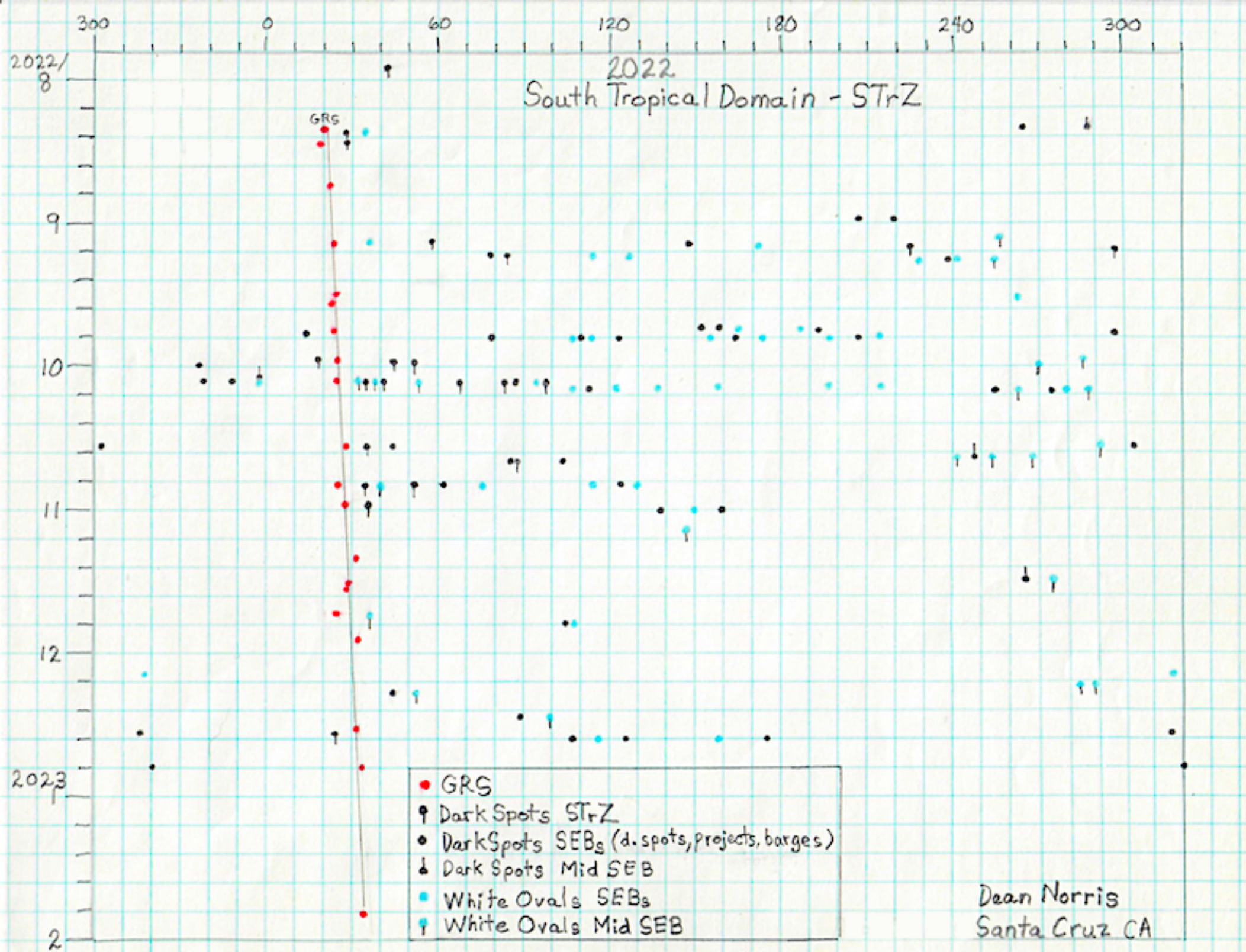


2022 Mean Drift Rate S1 Domain

Object and Location	Limiting Dates 2022 + Month/Day	Mean Drift Rate in Degrees per 30 Days	Slow Current
Oval BA STB	8/10 - 11/15	-16.2°	S. Temperate Current
WS6 STB	8/10 - 12/18	-17.1°	“ “
AWO STZ	9/30 - 12/24	-14.0°	“ “
DS8	9/7 - 10/25	-18°	“ “

2022 Summary S1 Domain

Object	Location	Sense	Current	Drift	Trend
Oval BA	STB	Anticyclonic High Pressure	S. Temperate	Decreasing Longitude Prograding Eastward	Acceleration
WS6	STB	Cyclonic Low Pressure	“ “	“ “	“ “
AWO STZ	STB	Anticyclonic High Pressure	“ “	“ “	“ “
DS8	STB	Cyclonic Low Pressure	“ “	“ “	“ “



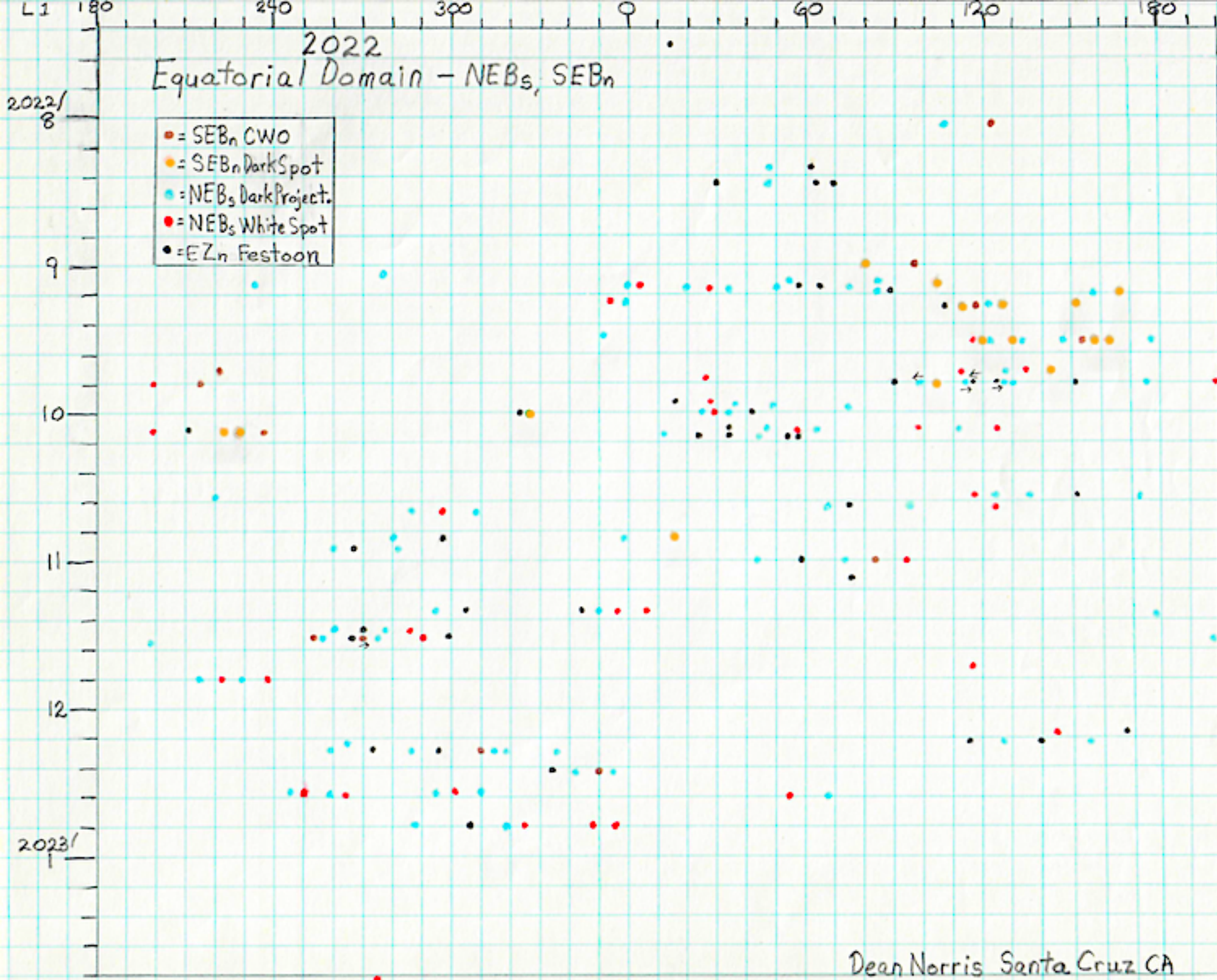
2022 Mean Drift Rate South Tropical Domain

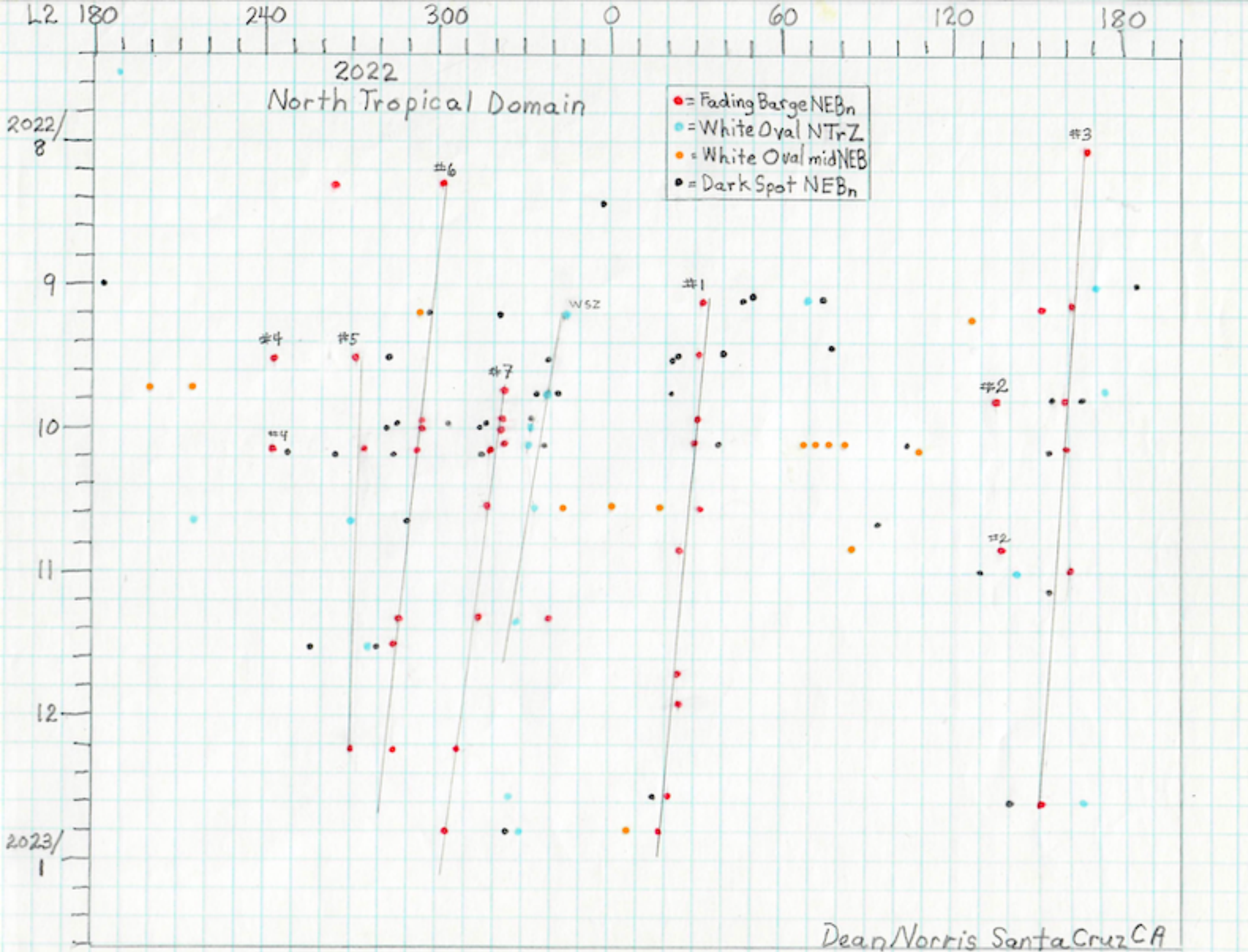
Object and Location	Limiting Dates	Mean Drift Rate in Degrees per 30 Days	Slow Current
GRS STrZ	2022/8/11 - 2023/1/25	2.3°	South Tropical Current

2022 Summary South Tropical Domain

Object	Location	Sense	Current	Drift	Trend
GRS	STrZ	Anticyclonic High Pressure	S.Tropical	Increasing Longitude Retrograding Westward **	Deceleration *

** Overall the trend for the GRS was deceleration. Though on the Rotation Periods Tables for the GRS there are 5 periods where acceleration (decreasing longitude prograding eastward) occurred.*





2022 Mean Drift Rate North Tropical Domain

Object and Location	Limiting Dates 2022 + Month/Day	Mean Drift Rate in Degrees per 30 Days	Slow Current
#1 Barge * NEBn	9/4 - 12/24	-4.5°	North Tropical Current
#3 Barge NEBn	8/2 - 12/18	-3.7°	“ “
#5 Barge NEBn	9/15 - 12/7	-1.3°	“ “
#6 Barge NEBn	8/10 - 11/15	-4.8°	“ “
#7 Barge NEBn	9/23 - 12/24	-5.8°	“ “
WSZ NTrZ	9/6 - 11/10	-7.5°	“ “

* I assigned these numbers for the Barges.

During the 2022 apparition, the NEBn Barges were all fading. Most of them appeared a pale yellowish brown. Some had a dark collar around them. These same barges were seen in 2021 and were for the most part a dark brown.

2022 Summary North Tropical Domain

Object	Location	Sense	Current	Drift	Trend
NEBn Barges	NEBn	Cyclonic Low Pressure	N. Tropical	Decreasing Longitude Prograding Eastward	Acceleration
WSZ	NTrZ	Anticyclonic High Pressure	N. Tropical	Decreasing Longitude Prograding Eastward	Acceleration

L2 300 0 60 120 180 240 300

2022 N2 Domain

● = White Oval
● = Dark Marking

2022/
8

9

10

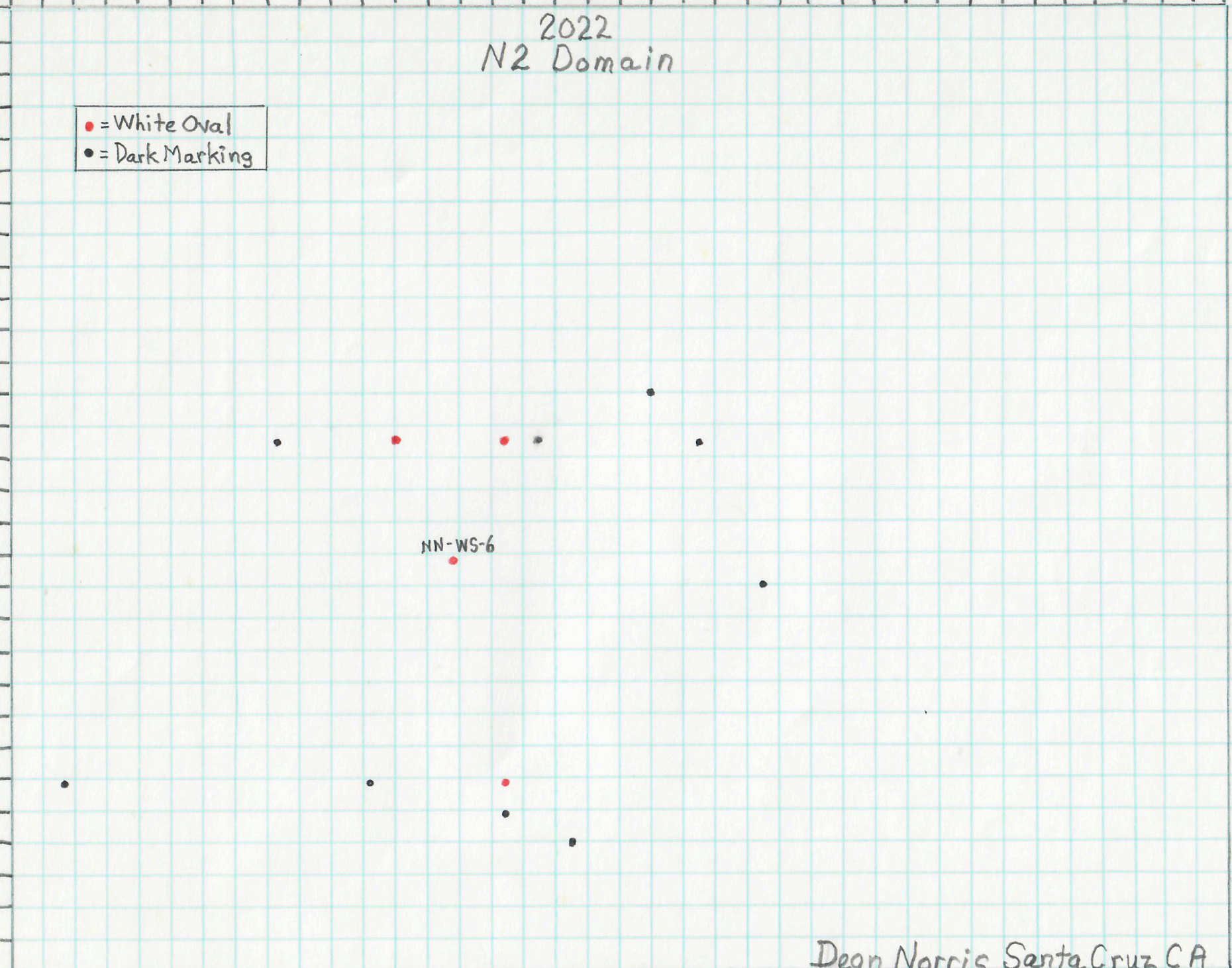
11

12

2023/
1

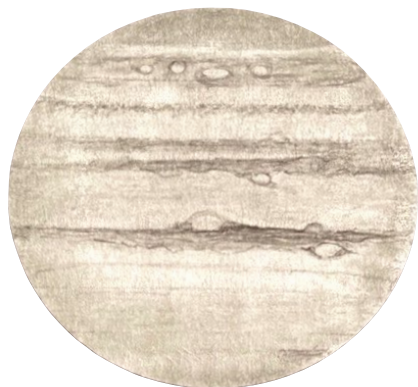
NN-WS-6

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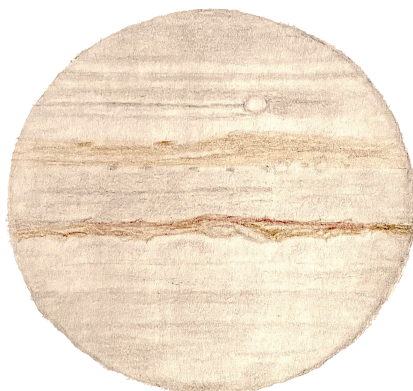


Jupiter 2022

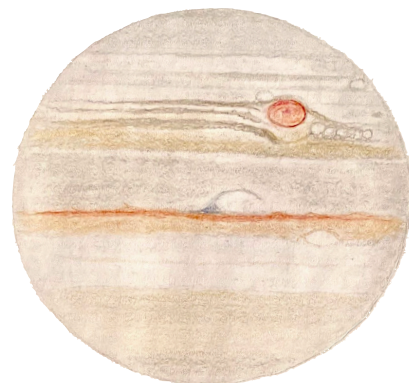
Dean Norris
Santa Cruz, Ca



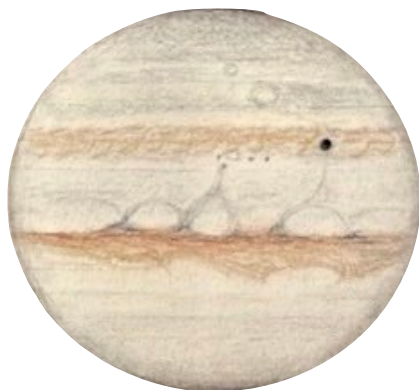
2022/08/02 7:54 U.T.
L1 102.77 L2 140.57
381mm Newtonian 204x Apodizer
Seeing 6 Transparency 5
AWOs on the SSTB with CWO between
2 AWOs at a lower latitude. SEB is
bifurcated with an oval on the SEBn.
A fading barge on the NEBn.



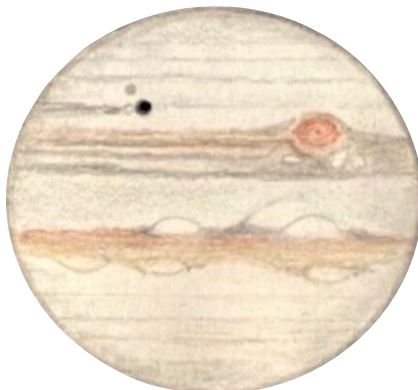
2022/08/31 9:10-9:30 U.T.
L1 51.51 L2 227.59
381mm Newtonian 204x Apodizer
Seeing 6 Transparency 5
Oval BA on the STB. 2 dark barges on
the SEBs. Dark spots on the SEBn.
The NEB looks rifted with a fading barge
on the CM.



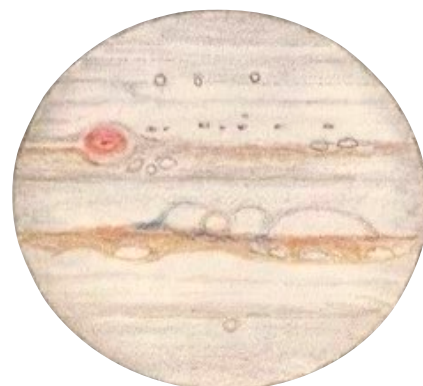
2022/09/04 6:12 U.T.
L1 215.1 L2 1.62
381mm Newtonian 204x Apodizer
Seeing 5 Transparency 5
GRS with a dark central spot. STrZ
band p. GRS. SEBs is dark p. GRS. An
oval passing S. of GRS. The NEBs is
narrow and dark. A fading barge on the
NEBn on the f. side.



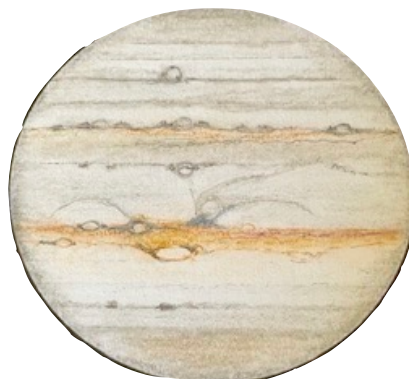
2022/09/15 6:00 U.T.
L1 146.28 L2 208.97
381mm Newtonian 167x Apodizer
Seeing 5 Transparency 5
Oval BA approaching the CM. Europa
shadow transit with an active SEB
with ovals and dark spots. Festoons
with dark projections on NEBs.



2022/09/28 5:50 U.T.
L1 34.68 L2 358.23 381mm Newtonian.
167x MSG filter Apodizer Seeing 5-6
Transparency 5 Ganymede shadow
transit. GRS with 3 divisions in SEB noted
with light zone in between. STrZ band p.
GRS. Active NEBs with large festoons. 3
fading barges on NEBn.



2022/10/03 6:30 U.T.
L1 129.17 L2 54.4 381mm Newtonian
204x MSG filter Apodizer Seeing 6-7
Transparency 5 3 AWOs on SSTB. Dark
spots on STBn f. GRS. Prominent
festoons on NEBs. Fading barges on
NEBn with rifts on the f. side. An oval
near the CM on the NNTZ.



2022/10/04 5:18 U.T.
L1 248.38 L2 162.28
381mm Newtonian
204x MSG filter
Apodizer
Seeing 6-7 Transp. 5
AWO on the SSTB.
SEBs many dark
projections. SEBn has
an oval which connects
to festoon activity on
EQZ. Bright plumes on
the NEBs on p. side. A
faded barge on NEBn.
Dark spots on NNTB.

2022/10/19 5:30 U.T.
L1 100.59 L2 264.04
381mm Newtonian 167x
MSG filter Apodizer
Seeing 6 Transp. 5
Oval BA just past the CM.
An active SEB with large
light ovals. Large arched
festoons on the NEBs.
Fading barges with indents
on the NEBn where white
spots border the NEBn and
the NTrZ.

