\*This version of differences is compared against Judith’s annual files, which have no interpolated results. I am comparing area-independent contrast (mean and stddev), and number of stations contributing to the result. Comparisons made from Jan 4, 1982 through Aug 31, 2014.

1. Dec 1, 1981 – Jan 4, 1982 (records differ, LASP processing not yet implementing Greenwich data. Differences could be a combination of concatenating usaf with Greenwich files, and also the “rollover” effect; this will be looked into after “delivery”)

2. April 13, 1982 (other):

LASP results (mean, stdev, # stations) = 3713.1659, 2515.3776, 4

NRL results (mean, stdev, #stations) = 3700.73, 2518.96, 4

3. Dec 27, 1982 – Jan 2, 1983 (rollover)

4. Dec 27, 1983 – Jan 6, 1984 (rollover)

5. March 16, 1984 (other)

LASP results (mean, stdev, # stations) = 1503.0968, 721.45208, 6

NRL results (mean, stdev, #stations) = 1504.12, 720.48, 6

6. Dec 29, 1984 (rollover)

7. Dec 22, 1985 – Jan 12, 1986 (rollover/missing usaf reports)

8. Dec 26, 1986 – Dec 31, 1986 (rollover/missing usaf reports)

9. Dec 25, 1998 – Jan 2, 1998 (rollover)

10. Sept 6, 1988 (other)

LASP results (mean, stdev, # stations) = 712.45015, 186.50043, 6

NRL results (mean, stdev, #stations) = 716.22, 186.36, 6

11. Dec 28, 1998 – Jan 7, 1999 (rollover)

12. July 13, 1989 (other)

LASP results (mean, stdev, # stations) = 1143.3485, 567.25450, 7

NRL results (mean, stdev, #stations) = 1331.04, 300.39, 6

Key findings: LASP identified 7 stations; the extra coming from ‘LEAR’ and ‘lEAR’

13. Aug 30, 1989 (other)

LASP results (mean, stdev, # stations) = 1198.2513, 764.77836, 6

NRL results (mean, stdev, #stations) = 1437.73, 548.94, 5

Key findings: LASP included station ‘CATA’

14. Dec 27, 1999-Jan 8, 1990 (rollover)

15. Feb 3, 1990 (other)

LASP results (mean, stdev, # stations) = 1175.416, 686.99114, 6

NRL results (mean, stdev, #stations) = 1370.51, 496.61, 6

Key findings: LASP included station ‘CATA’

16. Aug 20, 1990 (other)

LASP results (mean, stdev, # stations) = 4091.3675, 1925.398, 7

NRL results (mean, stdev, #stations) = 4767.84, 777.60, 6

Key findings: LASP included station ‘KIS’

17. Dec 26, 1990 – Jan 6, 1991 (rollover)

18. Jan 28, 1991 (other)

LASP results (mean, stdev, # stations) = 5948.1257, 2910.0120, 7

NRL results (mean, stdev, #stations) = 6938.38, 1387.35, 6

Key findings: LASP included station ‘ALE’

19. June 18, 1991 (other)

LASP results (mean, stdev, # stations) = 1212.9971, 372.01427, 7

NRL results (mean, stdev, #stations) = 1214.00, 372.11, 7

20. Jan 1, 1992 – Jan 6, 1992 (rollover)

21. Nov 5, 1992 (other)

LASP results (mean, stdev, # stations) = 1304.8463, 692.65733, 6

NRL results (mean, stdev, #stations) = 1558.47, 342.44, 5

Key findings: LASP included station ‘EAR’

22.Dec 30, 1992 – Jan 6, 1993 (rollover)

23. Dec 28, 1993 – Jan 2, 1994 (rollover)

24. Dec 31, 1994 – Jan 4, 1995 (rollover)

25. Dec 26, 1995 – Jan 1, 1996 (rollover)

26. July 13, 1996 (other)

LASP results (mean, stdev, # stations) = 7.0073905, 10.373301, 3

NRL results (mean, stdev, #stations) = 10.51, 11.90, 2

Key findings: LASP included station ‘HOLL’ and NRL didn’t; the LASP SSBT for HOLL was a negative number. (-4.22e-7)

27. Dec 24, 1996 – Jan 3, 1997 (rollover/missing reports)

28.Jan 5, 2002 (other)

LASP results (mean, stdev, # stations) = 1422.5733, 216.94965, 3

NRL results (mean, stdev, #stations) = 1423.97, 217.98, 3

29. October 27, 2002 (other)

LASP results (mean, stdev, # stations) = 1653.7653, 222.25283, 4

NRL results (mean, stdev, #stations) = 1660.64, 221.20, 4

30. Mar 23, 2009 (other)

LASP result (mean, stdev, # stations) = 26.872754, N/A, 1

NRL results (mean, stdev, #stations) = 13.44, N/A, 1

Key findings: Duplicate record (as NRL treated), or not (as LASP treated it)?

31. Year 2010 – will work on later.

32. April 9, 2012 (other)

LASP result (mean, stdev, # stations) = 25.903758, 36.633446, 2

NRL results (mean, stdev, #stations) = 51.81, N/A, 1

Key findings: LASP included SVTO record with 0 area, and 2 sunspot numbers

33. July 16, 2014 (other)

LASP result (mean, stdev, # stations) = 6.782, 9.591, 2

NRL results (mean, stdev, #stations) = 13.56, N/A, 1

Key findings: LASP included SVTO record with 0 area, and 1 sunspot numbers