

SUMMER ANALOGS FOR 2009

...CLIMATOLOGY...

IN SPITE OF THE WETNESS, WE HAD A RARE COMBINATION OF BOTH AN UNSEASONABLY WARM APRIL AND MAY IN PHILADELPHIA THIS SPRING. SINCE 1872, THIS COMBINATION HAS OCCURRED ONLY EIGHTEEN TIMES, BUT SIX TIMES SINCE 1990. BY DEFINITION UNSEASONABLY COOL/NORMAL/UNSEASONABLY WARM MONTHS ARE DIVIDED INTO THIRDS. THE FOLLOWING ARE TEMPERATURES AND PRECIPITATION THAT OCCURRED IN PHILADELPHIA DURING THE ENSUING SUMMERS. WE TRIED TO FOLLOW THE EXPECTED ENSO TREND TOWARD EL NINO CONDITIONS. WE DID NOT INCLUDE YEARS THAT TRENDED TOWARD LA NINA IN SUMMER OR WERE FAR REMOVED FROM ENSO NEUTRAL CONDITIONS DURING THE PREVIOUS WINTER. CURRENT EXPECTATIONS ARE FOR THE MAIN ENSO REGION KNOWN AS NINO3.4 IN THE EASTERN EASTERN PACIFIC TO HAVE ENSO NEUTRAL CONDITIONS FOR THIS UPCOMING SUMMER. HERE ARE THE FAB FIVE.

YEAR	JUNE AVG	JULY AVG	AUGUST AVG	SUMMER AVG	SUMMER PCPN
1896	70.4	77.6	76.6	74.9	7.80
1993	74.4	81.4	78.9	78.2	8.68
2001	75.2	75.4	79.9	76.8	8.20
2004	71.8	76.3	75.0	74.4	16.65
2006	72.8	79.5	77.7	76.7	16.15
AVG	72.9	78.0	77.6	76.2	11.50
1971-2000 NML	72.3	77.6	76.3	75.4	11.50

ON A SEPARATE NOTE A FINAL CONDITIONAL TEMPERATURE FORECAST FOR PHILADELPHIA INTERNATIONAL AIRPORT BASED ON THE ENSO STATE, WHEN THE FIRST HEAT WAVE OF THE SEASON OCCURS AND THE MEAN APRIL MINIMUM TEMPERATURE CAN BE FOUND AT OUR WEB SITE AT:
 WWW.ERH.NOAA.GOV/PHI/REPORTS/SUMMER09FINAL.PDF. ITS ALL LOWER CASED LETTERS EXCEPT FOR THE LETTERS S IN SUMMER AND F IN FINAL.

THE OFFICIAL CPC OUTLOOK FOR THE SUMMER IS FOR A GREATER CHANCE OF IT BEING WARMER THAN COOLER THAN NORMAL.

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