

Verified Snowfall Report

**VERIFIED BY****WDS Unified Snow Model**

Weather Decision Solutions L.L.C.

Email: info@weatherdecisionsolutions.comfreesnowreport.com**REPORT METADATA****ISSUED****Tuesday, September 22, 2026****STORM WINDOW February 1st to 2nd 2021****Storm Date: February 1st to 2nd 2021**

Weather Decision Solutions produced this report with the WDS unified snow model, calculated for each location below from official weather stations, trained volunteer observers and the surrounding terrain. Automated quality checks ran on every value, and a meteorologist reviews any report those checks flag.

NOTES:

Some supplemental observer records were incomplete; nearest usable observer reports were applied. Quality controls excluded inconsistent observer reports from the primary snowfall estimate.

ZIP 19406 (King of Prussia CDP, PA)

DATE RANGE: 2021-02-01 TO 2021-02-02

WDS VERIFIED SNOWFALL ESTIMATE

11.4"

STORM DETAILS

METRIC	VALUE
Snow at official station	5.1"
Snow Load	5.6 lb/ft2
Snow Load per Acre	243,936 lb/acre
Ice	0.01"
Sleet/Mix	0.04"
Rain	0.01"
Snow Equiv.	5.52"
Total Precip	0.56"
Temp Hi	36F
Temp Lo	25F

SUMMARY

WDS verified snowfall estimate for ZIP 19406 (King of Prussia CDP, PA) from 2021-02-01 through 2021-02-02 is 11.4". This estimate reflects the official ASOS observation together with 20 nearby vetted observer report(s). King of Prussia CDP, PA ZIP 19406 centroid sits near 171 ft, above reference ASOS station PHL at about 8 ft. 8 nearby CoCoRaHS observer(s) with usable elevation metadata ranged from about 62 ft to 369 ft. That places the site in the same terrain band as the nearby observer network used for context.

CLOSEST OFFICIAL ASOS STATION WITH VALID SNOW RECORDS

DATE	LOCATION	DIST (MI)	TEMPS (F)	LIQUID	RAIN	SNOW	SLEET/MIX	ICE	SNOW EQIV
2021-02-01	Philadelphia, PA	17.5	Hi33/Lo25	0.42"	0"	3.8"	0.04"	0.01"	4.22"
2021-02-02	Philadelphia, PA	17.5	Hi36/Lo30	0.14"	0.01"	1.3"	0"	0"	1.3"

ZIP 19406 (King of Prussia CDP, PA) - Continued

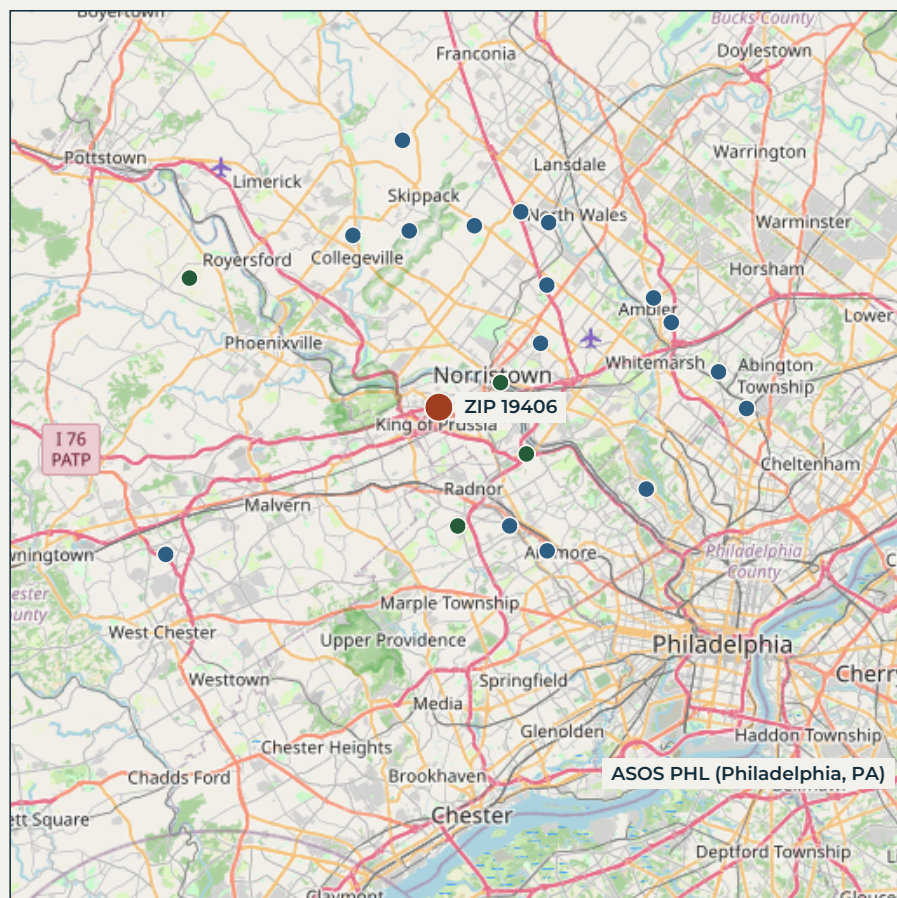
COCORAHS SUPPLEMENTAL SUMMARY

We had 20 CoCoRaHS observer(s) closer than the official ASOS station (17.5 mi).

■ NORRISTOWN, PA (2.8 mi): 15.1" snow.	■ CONSHOHOCKEN, PA (4.1 mi): 10.6" snow.
■ Plymouth Meeting 2.1 NW, PA (5.0 mi): 13.2" snow.	■ Villanova, PA (5.0 mi): 11.4" snow.
■ Bryn Mawr 0.7 W, PA (5.8 mi): 9.8" snow.	■ Blue Bell 2.3 NW, PA (6.8 mi): 15.8" snow.
■ Skippack 1.4 SSW, PA (7.4 mi): 11.8" snow.	■ Ardmore 0.5 NW, PA (7.5 mi): 3" snow.
■ Skippack 2.6 ESE, PA (7.7 mi): 10" snow.	■ Collegeville 0.8 NNE, PA (8.0 mi): 11.5" snow.
■ Lansdale 2.9 SW, PA (8.8 mi): 14.5" snow.	■ North Wales 1.3 WSW, PA (8.9 mi): 10.7" snow.
■ Wyndmoor 3.0 SSW, PA (9.3 mi): 6.5" snow.	■ Ambler 0.4 NE, PA (10.0 mi): 3.8" snow.
■ Fort Washington 0.8 NW, PA (10.3 mi): 12.7" snow.	■ Harleysville 2.1 SW, PA (11.2 mi): 9" snow.
■ Glenside 1.1 NW, PA (11.7 mi): 11.6" snow.	■ Spring City 2WSW, PA (11.7 mi): 14" snow.
■ Wyncote 0.3 ENE, PA (12.8 mi): 3.3" snow.	■ Exton 2.1 SE, PA (12.9 mi): 8.2" snow.

CoCoRaHS snow totals are summed from 2021-02-01 through 2021-02-03 around the requested 2021-02-01 to 2021-02-02 report window to account for observer report timing.

OBSERVATION MAP



VERIFIED

WDS Unified Snow Model

Automated quality checks, with meteorologist review when flagged

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WEATHER TERMS AND DEFINITIONS

BLIZZARD	A storm lasting about 3 hours or longer with sustained winds 35 mph or greater with frequent gusts to 35 mph or greater; and considerable falling and/or blowing snow frequently reducing visibility to less than 1/4 mile.
BLOWING SNOW	Wind-driven snow which reduces surface visibility.
FREEZING RAIN (DRIZZLE)	Rain (drizzle) which freezes on contact to produce a coating of ice on the ground and other exposed surfaces. The amount of liquid that falls is directly related to the thickness of the ice.
ICE STORM	Liquid rain falling and freezing on contact with cold objects creating ice build-ups of 1/4th inch or more that can cause severe damage.
MIX EVENTS	Mixed winter events can be a combination of snow, sleet and freezing rain.
SLEET	Solid grains of ice which form from the freezing of raindrops or the refreezing of melted snowflakes. These small, transparent ice pellets usually bounce when they hit a hard surface.
SNOW	Unless qualified by such words as 'occasional' or 'intermittent', a prediction of snow indicates a steady fall of a few hours or more.
SNOW FLURRIES	Short duration of intermittent light snowfall with little if any accumulations.