StormEvents Data Definition Table

Field Name	Example Value	Description	Data Type
begin_yearmonth	201212	Year and month the event began (YYYYMM format)	String (6-char)
begin_day	31	Day the event began (DD format)	Integer
begin_time	2359	Time the event began (hhmm, 24-hr)	String (4-char)
end_yearmonth	201301	Year and month the event ended	String (6-char)
end_day	01	Day the event ended	Integer
end_time	0001	Time the event ended	String (4-char)
episode_id	61280	Unique ID for the storm episode	Integer
event_id	383097	Unique ID for the individual event (primary key)	Integer
state	GEORGIA	Full name of the U.S. state (ALL CAPS)	String
state_fips	45	State FIPS code	Integer
year	2012	4-digit year	Integer
month_name	December	Full month name	String
event_type	Hail	Type of weather event (e.g., Tornado, Flash Flood)	String
cz_type	C	Area type: C = County, Z = Zone, M = Marine	Char(1)
cz_fips	245	County FIPS code or NWS Zone number	Integer
cz_name	AIKEN	County/Zone/Marine name	String
wfo	CAE	NWS Forecast Office identifier	String (3-char)
begin_date_time	04/1/2012 20:48	Full datetime of when event began	Datetime (String)
cz_timezone	EST-5	Timezone offset from UTC	String

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end_date_time	04/1/2012 21:03	Full datetime of when event ended	Datetime (String)
injuries_direct	1	Direct injuries caused by the event	Integer
injuries_indirect	0	Indirect injuries caused	Integer
deaths_direct	0	Direct deaths caused	Integer
deaths_indirect	0	Indirect deaths caused	Integer
damage_property	10.00K	Estimated property damage (K = thousand, M = million)	String (currency)
damage_crops	0.00K	Estimated crop damage	String (currency)
source	Public	Reporting source (e.g., Media, Spotter, Police)	String
magnitude	0.75	Hail size (inches) or wind speed (knots)	Float
magnitude_type	EG	EG = Estimated Gust, MG = Measured Gust, etc.	String
flood_cause	Heavy Rain	Cause of flood	String
category		Currently unused	String (nullable)
tor_f_scale	EF1	Enhanced Fujita Scale (tornado strength)	String
tor_length	0.66	Length of tornado path (miles)	Float
tor_width	25	Width of tornado path (yards)	Integer
tor_other_wfo	ICT	If tornado crossed WFOs, next WFO name	String
tor_other_cz_state	KS	State abbreviation of the continued path	String (2-char)
tor_other_cz_fips	41	County FIPS for the continued path	Integer
tor_other_cz_name	DICKINSON	County name for the continued path	String
begin_range	0.59	Distance from a reference city to event start (miles)	Float

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begin_azimuth	ENE	Compass direction from reference point	String
begin_location	PINELAND	City/town name for range/azimuth	String
end_range	1.17	Distance to event end location	Float
end_azimuth	WSW	Direction to event end	String
end_location	CENTER	Town where event ended	String
begin_lat	29.7898	Latitude of event start	Float
begin_lon	-98.6406	Longitude of event start	Float
end_lat	29.7158	Latitude of event end	Float
end_lon	-98.7744	Longitude of event end	Float
episode_narrative	(Text)	Narrative for the episode	Text
event_narrative	(Text)	Narrative for the event	Text