**About Dataset**

Details of all nuclear explosions prior to 2000.

| **Columns** | **Data Type** | **Description** | **Example** |
| --- | --- | --- | --- |
| WEAPON SOURCE COUNTRY | String | Country deploying the nuclear device | "USA" |
| WEAPON DEPLOYMENT LOCATION | String | Region where the nuclear device was deployed | "Alamogordo" |
| Data.Source | String | Source that reported the explosion event | "DOE" |
| Location.Coordinates.Latitude | Float | Latitude position | 32.54 |
| Location.Coordinates.Longitude | Float | Longitude position | -105.57 |
| Data.Magnitude.Body | Float | Body wave magnitude of explosion (mb) | 0.0 |
| Data.Magnitude.Surface | Float | Surface wave magnitude of explosion (Ms) | 0.0 |
| Location.Coordinates.Depth | Float | Depth at detonation in Km (could be underground or above ground) -- positive = depth (below ground), negative = height (above ground) | -0.1 |
| Data.Yield.Lower | Float | Explosion yield lower estimate in kilotons of TNT | 21.0 |
| Data.Yield.Upper | Float | Explosion yield upper estimate in kilotons of TNT | 21.0 |
| Data.Purpose | String | Purpose of detonation: COMBAT, FMS, ME, PNE, SAM, SSE, TRANSP, WE, WR | "Wr" |
| Data.Name | String | Name of event or bomb | "Trinity" |
| Data.Type | String | Type - method of deployment | "Tower" |
| Date.Day | Integer | Day of detonation | 16 |
| Date.Month | Integer | Month of detonation | 7 |
| Date.Year | Integer | Year of detonation | 1945 |
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