

# October 30-31, 2013

## Halloween Flash Flood Event

A typical, early fall, flood event occurred from the evening of October 30 through late afternoon on October 31, 2013. There was widespread rainfall of 2-4 inches across portions of eight counties; substantial areas of 6-10 inches across Hays, western Comal, and central Travis counties; and a bull's-eye of 12-14 inches in a narrow swath from Wimberley to Driftwood. The rainfall resulted in major flash flooding along the I-35 Corridor from Georgetown to New Braunfels, and major to record flooding for a number of creeks and rivers.

The primary ingredients producing the event included an upper level trough that moved from northern New Mexico across the Texas Panhandle and into Kansas and Oklahoma. Meanwhile, a weak surface trough stalled along Interstate 35, which provided the concentrating focus for moist Gulf air (dew points from 65-70 °F). The general lifting of air from the approaching trough, increasing instability with cool, dry air aloft, over warm, moist air near the ground, and convergence along the surface trough produced showers and thunderstorms.

In addition to the severe storms, the amount of water vapor (i.e., precipitable water) measured by weather balloon at Corpus Christi Tuesday evening was 2.08 inches, which is about two standard deviations above the mean value for late October. The average wind moved storms along quickly, but redevelopment along the surface trough led to multiple storms passing over the same locations – called echo training. Both the high moisture content and echo training strongly indicated the potential for heavy rain and flash flooding. Resulting rainfall amounts were heavy along and just west of I-35, including peak amounts of 14 inches between Wimberley and Driftwood.

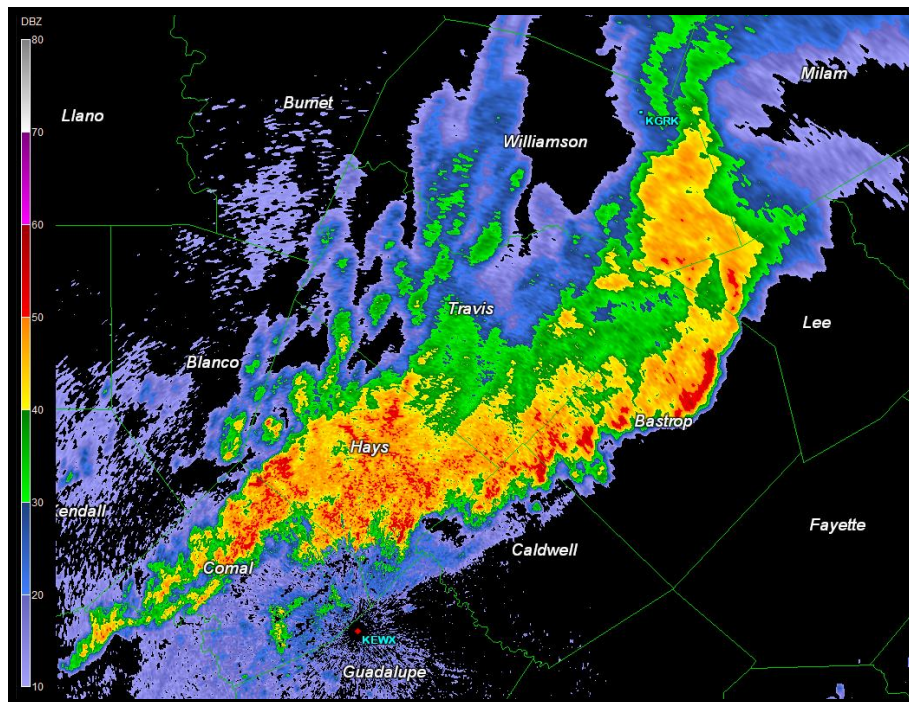


Figure 1. Radar Base Reflectivity, 1/4 km resolution, at 1:48 am CST October 31, 2013.

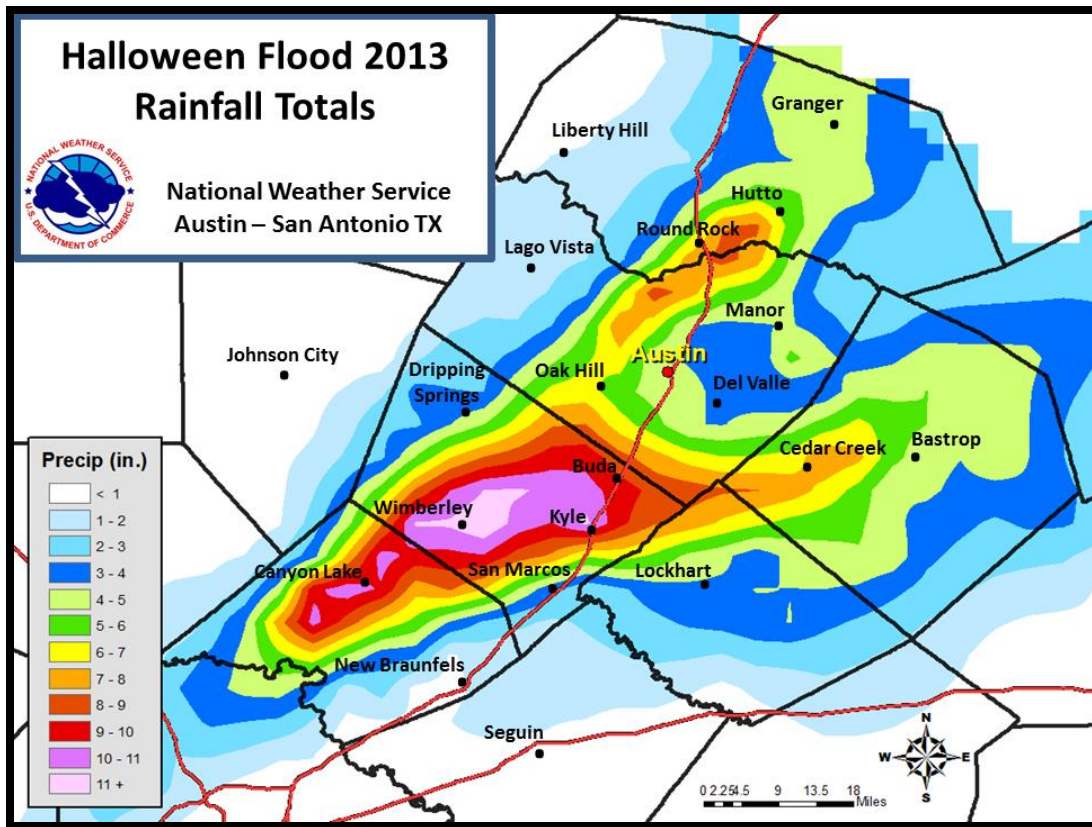


Figure 2. 24-hour rainfall amount from NWS, CoCoRaHS, and other cooperating agencies.



Figure 3. The San Marcos River flooding over FM 1979 near Martindale, TX, around 8:00 am October 31, 2013.





Figure 3. A nest of fire ants clinging to high ground as the San Marcos River floods near Martindale, TX, around 8:00 am October 31, 2013.



Figure 4. First responders rescue a man from flood waters from the San Marcos River and FM 1977 near Staples, TX, around 9:00 am October 31, 2013.



Figure 5. The San Marcos River flooding near the Pecan Park Campground around 9:00 am October 31, 2013.

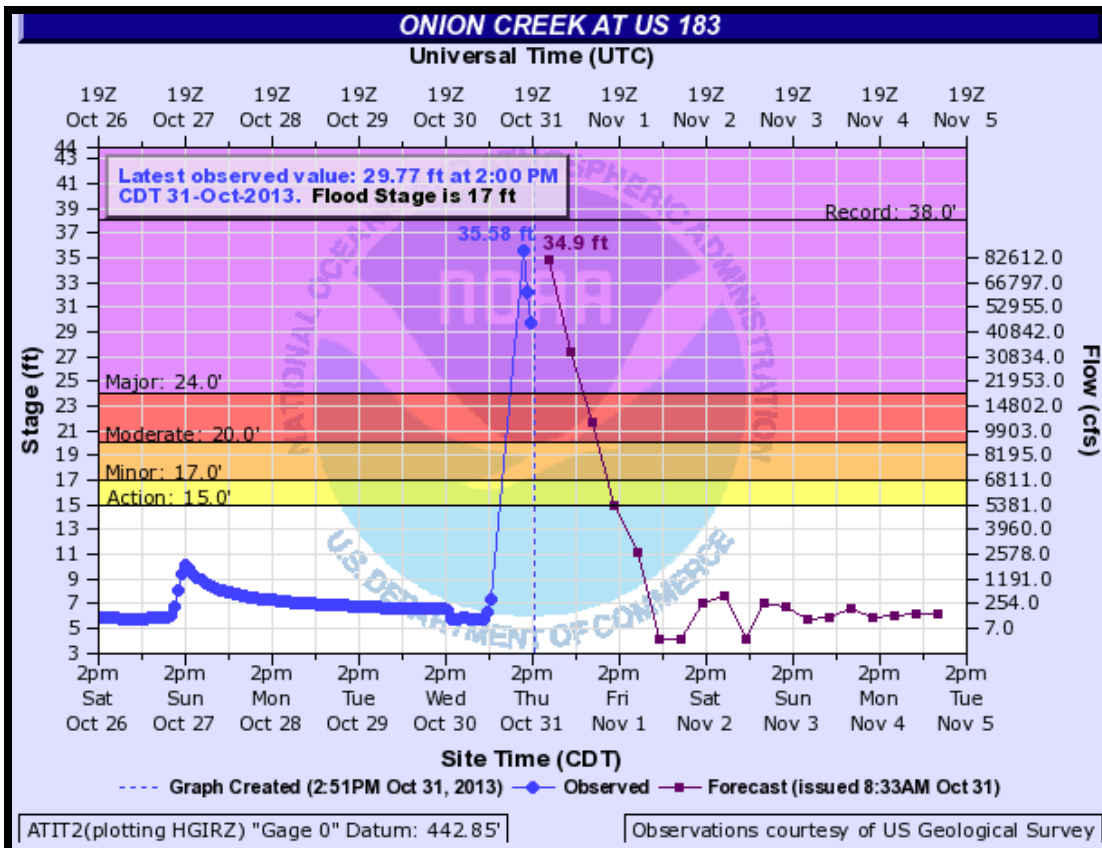


Figure 6. Hydrograph for Onion Creek at U.S Highway 183.



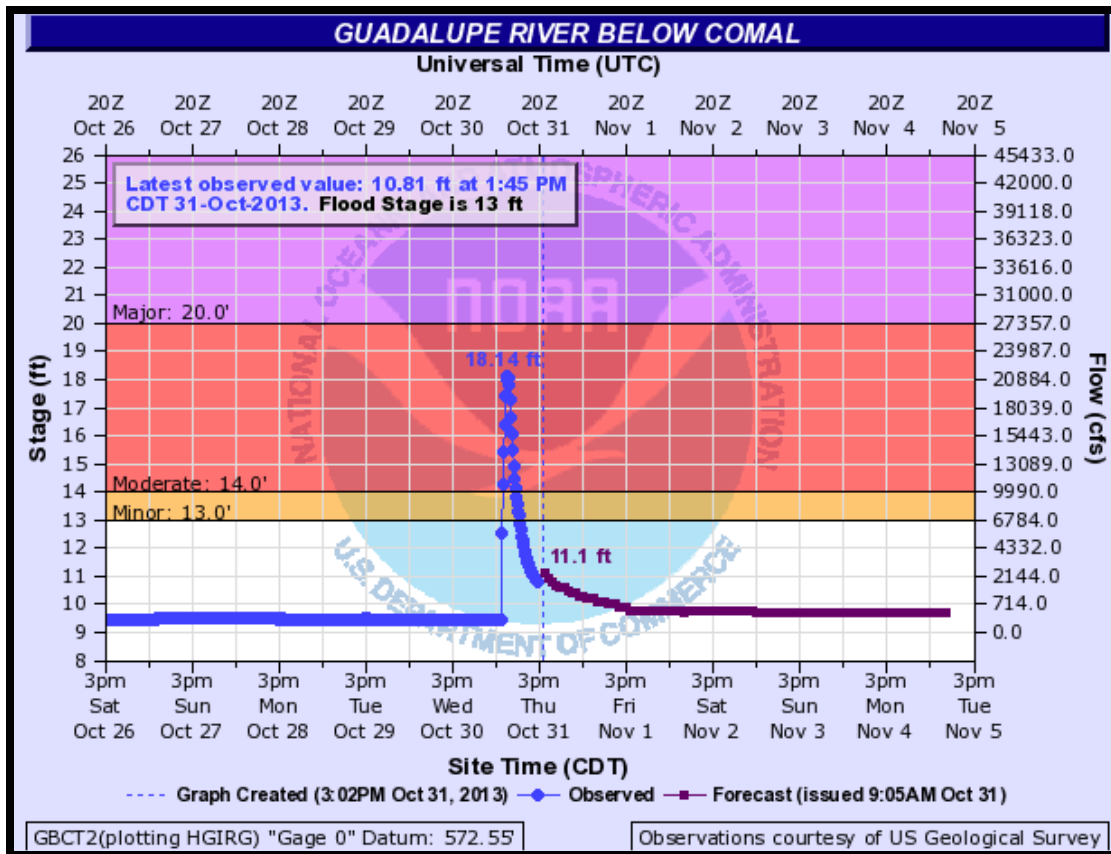


Figure 7. Hydrograph for the Guadalupe River below the Comal in New Braunfels.

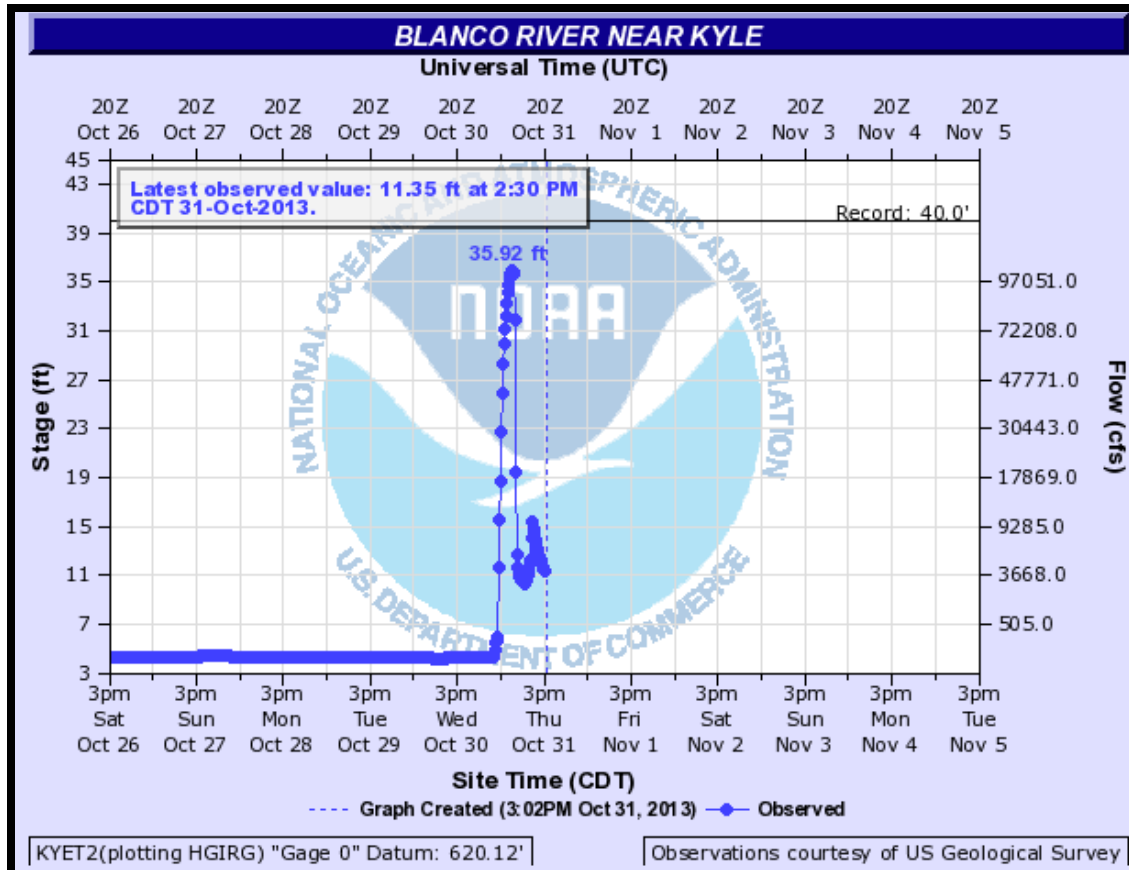


Figure 8. Hydrograph for the Blanco River near Kyle. Flood categories are not available.

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE AUSTIN/SAN ANTONIO TX  
1227 PM CDT THU OCT 31 2013

...LATEST RAINFALL REPORTS OVER THE LAST 24 HOURS  
ENDING NOON CDT TODAY...

LOCATION	AMOUNT	TIME/DATE
WIMBERLEY	12.45	0800 AM 10/31
4 E WIMBERLEY	11.89	0800 AM 10/31
5 SSE DRIFTWOOD	11.68	0700 AM 10/31
2 S SPRING BRANCH	11.50	0615 AM 10/31
3 N CANYON LAKE DAM	11.28	0500 AM 10/31
4 SSE DRIFTWOOD	11.00	0700 AM 10/31
2 SE SPRING BRANCH	10.94	0700 AM 10/31
1 W WOODCREEK	10.70	0700 AM 10/31
2 S SPRING BRANCH	10.49	0700 AM 10/31
1 SE WIMBERLEY	9.76	1215 PM 10/31
2 SE KYLE	9.55	0700 AM 10/31
3 E ROUND ROCK	9.53	0800 AM 10/31
2 SSW JOLLYVILLE	9.39	0700 AM 10/31
2 SE JOLLYVILLE	9.35	0700 AM 10/31
7 SSE WIMBERLEY	9.26	0700 AM 10/31
4 SW HUTTO	9.25	0700 AM 10/31
4 E ROUND ROCK	9.25	0700 AM 10/31
4 SW HUTTO	9.21	0700 AM 10/31
1 WSW WELLS BRANCH	9.00	0700 AM 10/31
6 N WEST LAKE HILLS	8.98	0815 AM 10/31
AUSTIN GREAT HILLS	8.78	0700 AM 10/31
3 NE CANYON LAKE DAM	8.71	1216 PM 10/31
SPRING BRANCH 2 SE	8.39	0800 AM 10/31
2 NNE LOST CREEK	8.22	0700 AM 10/31
1 W HAYS	8.08	1219 PM 10/31
3 SW HUTTO	7.98	1219 PM 10/31
4 WNW MOUNTAIN CITY	7.94	1148 AM 10/31
2 SW JOLLYVILLE	7.93	0700 AM 10/31
4 E CANYON LAKE DAM	7.90	0700 AM 10/31
5 SSW ANDERSON MILL	7.90	1059 AM 10/31
3 NE ROUND ROCK	7.87	0700 AM 10/31
1 SW DRIFTWOOD	7.80	1208 PM 10/31
6 NE DRIFTWOOD	7.80	1206 PM 10/31
4 W TANGLEWOOD FOREST	7.72	1220 PM 10/31
1 S ROUND ROCK	7.70	0600 AM 10/31
6 NE DRIFTWOOD	7.65	0700 AM 10/31
5 SE MANOR	7.63	0700 AM 10/31
7 W SAN MARCOS	7.50	0800 AM 10/31
FISCHER STORE	7.45	0700 AM 10/31
5 WSW CEDAR CREEK	7.41	0700 AM 10/31
3 ESE CANYON LAKE DAM	7.28	1217 PM 10/31
4 WNW TANGLEWOOD FOREST	7.06	1220 PM 10/31
4 NNE SMITHSON VALLEY	7.03	0700 AM 10/31
2 SW ROUND ROCK	6.96	0800 AM 10/31
1 NE CEDAR CREEK	6.95	0700 AM 10/31
5 SW LOST CREEK	6.82	0600 AM 10/31
2 W TANGLEWOOD FOREST	6.80	1218 PM 10/31
1 NNE SAN LEANNA	6.73	1215 PM 10/31
1 WNW TANGLEWOOD FOREST	6.62	1220 PM 10/31
2 S SMITHSON VALLEY	6.58	0600 AM 10/31
7 NE DRIFTWOOD	6.48	0700 AM 10/31

3 NE ROUND ROCK	6.46	1211 PM 10/31
HUTTO	6.45	0900 AM 10/31
1 NNE SAN LEANNA	6.43	0700 AM 10/31
DRIPPING SPRINGS 6 E	6.32	0700 AM 10/31
1 SSE LOST CREEK	6.31	0700 AM 10/31
6 S BEE CAVE	6.26	0725 AM 10/31
2 W SMITHSON VALLEY	6.25	0700 AM 10/31
4 W SUNSET VALLEY	5.96	0800 AM 10/31
3 SW JOLLYVILLE	5.95	1217 PM 10/31
4 E DRIPPING SPRINGS	5.86	0700 AM 10/31
6 ENE BULVERDE	5.85	0800 AM 10/31
1 NNE TANGLEWOOD FOREST	5.81	0700 AM 10/31
8 W ROSANKY	5.69	1213 PM 10/31
3 N DRIFTWOOD	5.61	0700 AM 10/31
6 NE DRIFTWOOD	5.60	1215 PM 10/31
4 WNW TANGLEWOOD FOREST	5.57	1216 PM 10/31
5 WNW HUTTO	5.42	0700 AM 10/31
4 WNW CEDAR CREEK	5.41	1215 PM 10/31
4 ENE BULVERDE	5.34	0700 AM 10/31
2 SE SUNSET VALLEY	5.30	0700 AM 10/31
3 N AUSTIN	5.29	0800 AM 10/31
4 W ROSANKY	5.24	0800 AM 10/31
4 NE PFLUGERVILLE	5.08	1208 PM 10/31
1 WNW SAN MARCOS	5.07	0810 AM 10/31
4 SSW WELLS BRANCH	5.05	1215 PM 10/31
1 SE SUNSET VALLEY	5.00	0700 AM 10/31
1 NW CAMP SWIFT	4.92	1208 PM 10/31
2 WSW TIMBERWOOD PARK	4.92	1213 PM 10/31
1 WSW MANSFIELD DAM	4.85	0700 AM 10/31
2 SSW BASTROP	4.81	0800 AM 10/31
2 NW AUSTIN	4.77	1207 PM 10/31
4 SSE HUTTO	4.75	0700 AM 10/31
1 ENE ANDERSON MILL	4.74	0900 AM 10/31
2 SSE BASTROP	4.72	1055 AM 10/31
TAYLOR 1NW	4.62	0700 AM 10/31
4 NNE AUSTIN	4.61	0800 AM 10/31
4 SE UHLAND	4.52	0720 AM 10/31
CAMP MABRY	4.52	0700 AM 10/31
1 NNW TAYLOR	4.50	0800 AM 10/31
5 NNE LOCKHART	4.49	0800 AM 10/31
TAYLOR	4.46	1215 PM 10/31
2 SE ROLLINGWOOD	4.37	0600 AM 10/31
4 NW LOCKHART	4.34	0800 AM 10/31
3 ESE ROLLINGWOOD	4.25	0700 AM 10/31
2 N AUSTIN	4.21	0700 AM 10/31
3 W FEDOR	4.19	0700 AM 10/31
5 N GARDEN RIDGE	4.11	0700 AM 10/31
4 E AUSTIN	4.10	0800 AM 10/31
1 NNW HELOTES	4.08	0800 AM 10/31
4 NNE AUSTIN	4.06	1216 PM 10/31
1 N AUSTIN	4.04	0700 AM 10/31
3 WNW SPRING BRANCH	4.03	1201 PM 10/31
SMITHVILLE	3.90	0816 AM 10/31
12 WSW ROSANKY	3.85	0700 AM 10/31
7 E SMITHSON VALLEY	3.84	0700 AM 10/31
1 W SUNSET VALLEY	3.84	1213 PM 10/31
3 ESE GEORGETOWN	3.83	0700 AM 10/31
1 S GEORGETOWN	3.79	0800 AM 10/31
10 SSW CEDAR CREEK	3.75	1218 PM 10/31
2 ESE HELOTES	3.71	0700 AM 10/31

1 E FEDOR	3.67	0800 AM 10/31
4 SSE HELOTES	3.66	0700 AM 10/31
2 N FALLS CITY	3.66	1219 PM 10/31
5 NE BERGSTROM	3.65	1218 PM 10/31
3 WSW FISCHER	3.60	0700 AM 10/31
JARRELL	3.54	0700 AM 10/31
3 NE HENLY	3.51	1218 PM 10/31
1 E GEORGETOWN	3.44	0800 AM 10/31
5 NW GARDEN RIDGE	3.36	1216 PM 10/31
4 NE AUSTIN	3.34	1215 PM 10/31
2 WSW BRUSHY CREEK	3.28	0700 AM 10/31
3 SSE LEXINGTON	3.26	0700 AM 10/31
1 N DRIPPING SPRINGS	3.20	0700 AM 10/31
5 S LOCKHART	3.16	0800 AM 10/31
2 SSW HENLY	3.13	0700 AM 10/31
5 NE HOLLYWOOD PARK	3.10	0800 AM 10/31
4 SSW TAYLOR	3.08	1206 PM 10/31
BERGSTROM INTL AIRPORT	3.06	0700 AM 10/31
JARRELL	3.04	0730 AM 10/31
6 WSW SAN MARCOS	3.04	0600 AM 10/31
2 N AUSTIN	2.87	1206 PM 10/31
3 NNW DRIPPING SPRINGS	2.79	0700 AM 10/31
5 NNE DRIPPING SPRINGS	2.75	0700 AM 10/31
2 N HOLLYWOOD PARK	2.71	0800 AM 10/31
2 NNE SHAVANO PARK	2.69	0700 AM 10/31
1 WNW ANDERSON MILL	2.69	0700 AM 10/31
2 NE BRUSHY CREEK	2.68	1207 PM 10/31
1 ENE SCENIC OAKS	2.66	0700 AM 10/31
4 ENE BULVERDE	2.66	1216 PM 10/31
3 W ELGIN	2.61	0800 AM 10/31
3 NNW MANSFIELD DAM	2.60	0700 AM 10/31
1 SE BRUSHY CREEK	2.57	1215 PM 10/31
2 ENE SERENADA	2.56	0809 AM 10/31
2 NNE HOLLYWOOD PARK	2.55	0700 AM 10/31
3 N MANSFIELD DAM	2.55	1210 PM 10/31
6 NNW ZORN	2.51	1211 PM 10/31
3 WSW SHAVANO PARK	2.45	0800 AM 10/31
FAIR OAKS RANCH	2.45	0700 AM 10/31
2 ENE LAKEWAY	2.44	0700 AM 10/31
4 SSE TWIN SISTERS	2.43	0700 AM 10/31
2 SW PFLUGERVILLE	2.40	1218 PM 10/31
5 S SMITHSON VALLEY	2.36	0700 AM 10/31
2 E FENTRESS	2.35	0800 AM 10/31
5 ENE HOLLYWOOD PARK	2.35	1211 PM 10/31
1 SE LEANDER	2.34	0800 AM 10/31
1 NNW GEORGETOWN DAM	2.25	0800 AM 10/31
3 SSW GEORGETOWN	2.25	1219 PM 10/31
1 NW ELGIN	2.23	0700 AM 10/31
4 WSW ANDERSON MILL	2.22	1211 PM 10/31
2 S HELOTES	2.21	1217 PM 10/31
4 ENE HOLLYWOOD PARK	2.20	0700 AM 10/31
1 ESE BERGHEIM	2.19	0700 AM 10/31
1 N CEDAR PARK	2.17	1210 PM 10/31
2 NE SHAVANO PARK	2.10	1201 PM 10/31
HALLETTSVILLE 2N	2.08	0800 AM 10/31
4 NNE ROUND ROCK	2.08	1158 AM 10/31
6 N DRIPPING SPRINGS	2.04	1212 PM 10/31
7 WNW ZORN	2.02	0700 AM 10/31
2 NW HOLLYWOOD PARK	2.01	0700 AM 10/31
2 NE CEDAR PARK	2.00	0900 AM 10/31



2 SSW CEDAR PARK	2.00	0700 AM 10/31
2 SSW SAN MARCOS	1.99	0700 AM 10/31
7 NNE DRIPPING SPRINGS	1.94	1215 PM 10/31
3 SSW CEDAR PARK	1.92	0700 AM 10/31
2 WNW CEDAR PARK	1.92	0800 AM 10/31
2 SSW CEDAR PARK	1.86	1213 PM 10/31
5 NE LEANDER	1.86	0700 AM 10/31
1 ENE LAKEWAY	1.81	1219 PM 10/31
6 NNE NEW BRAUNFELS	1.80	0800 AM 10/31
1 SSE GUADALUPE RIVER ST	1.75	1206 PM 10/31
5 SW LIBERTY HILL	1.74	0700 AM 10/31
1 S BEE CAVE	1.67	1215 PM 10/31
2 WSW LEON VALLEY	1.65	0700 AM 10/31
2 ENE BRIARCLIFF	1.59	1155 AM 10/31
NEW BRAUNFELS WFO	1.59	0800 AM 10/31
4 W BERGHEIM	1.59	0600 AM 10/31
3 SSE NEW BRAUNFELS	1.59	0800 AM 10/31
2 SSW CEDAR PARK	1.57	1218 PM 10/31
3 N JONESTOWN	1.51	0800 AM 10/31
8 NNW LAGO VISTA	1.51	1147 AM 10/31
5 NE LEANDER	1.50	0700 AM 10/31
2 W CASTLE HILLS	1.50	0606 AM 10/31
1 W CASTLE HILLS	1.49	0700 AM 10/31
5 W NEW BRAUNFELS	1.48	0700 AM 10/31
NEW BRAUNFELS MUNICIPAL AIRPOR	1.48	0700 AM 10/31
3 NNE LEANDER	1.47	0700 AM 10/31
3 NE CEDAR PARK	1.47	1216 PM 10/31
4 SW CASTROVILLE	1.45	0615 AM 10/31
3 WNW SELMA	1.42	0800 AM 10/31
4 NW GEORGETOWN DAM	1.42	1216 PM 10/31
CASTROVILLE MUNICIPAL AIRPORT	1.40	0655 AM 10/31
2 ESE NEW BRAUNFELS	1.38	0800 AM 10/31
4 ENE LIBERTY HILL	1.36	0700 AM 10/31
2 S NEW BRAUNFELS	1.33	1215 PM 10/31
GIDDINGS	1.32	0655 AM 10/31
LULING	1.30	1208 PM 10/31
2 NW FAIR OAKS RANCH	1.26	0815 AM 10/31
1 E LA GRANGE	1.25	0603 AM 10/31
5 SW LA GRANGE	1.21	0800 AM 10/31
3 SW CARMINE	1.17	1200 PM 10/31
4 W GUADALUPE RIVER ST	1.11	0705 AM 10/31
SAN MARCOS MUNICIPAL AIRPORT	1.11	0655 AM 10/31
1 ENE CIBOLO	1.11	0800 AM 10/31
4 NNW LULING	1.10	0700 AM 10/31
4 SW BOERNE	1.09	0700 AM 10/31
1 ESE SEGUIN	1.07	0800 AM 10/31
3 WNW NEW BRAUNFELS	1.07	0800 AM 10/31
1 ESE CIBOLO	1.04	1211 PM 10/31
1 NE KENDALIA	0.95	0800 AM 10/31
1 WNW LEANDER	0.95	1220 PM 10/31
DEVINE	0.91	0700 AM 10/31
1 N SCHERTZ	0.89	1219 PM 10/31
6 NNW BERGHEIM	0.86	0700 AM 10/31
BLANCO	0.85	0730 AM 10/31
SAN ANTONIO INTL ARPT	0.83	0700 AM 10/31
3 SE HILL COUNTRY VILLA	0.82	0800 AM 10/31
5 W NEW BRAUNFELS	0.79	1210 PM 10/31
BOERNE	0.79	0500 AM 10/31
1 NE CASTLE HILLS	0.79	0700 AM 10/31
BOERNE	0.79	0800 AM 10/31

3 SE FLORENCE	0.78	0800 AM 10/31
2 SE HILL COUNTRY VILLA	0.76	0700 AM 10/31
1 WNW BERGHEIM	0.75	0700 AM 10/31
5 WNW SHINER	0.72	0900 AM 10/31
1 SW KINGSBURY	0.70	0900 AM 10/31
GUADALUPE RIVER NEAR SEGUIN	0.70	0700 AM 10/31
2 W BOERNE	0.69	0600 AM 10/31
1 SW NEW BRAUNFELS	0.69	0800 AM 10/31
4 W D`HANIS	0.69	0700 AM 10/31
NEW BRAUNFELS	0.68	0739 AM 10/31
5 S SAINT HEDWIG	0.67	1000 AM 10/31
3 NW SUTHERLAND SPRINGS	0.66	0700 AM 10/31
8 NNE SAN ANTONIO	0.63	0700 AM 10/31
2 NW NEW BRAUNFELS	0.63	0811 AM 10/31
5 ESE GONZALES	0.63	1218 PM 10/31
4 N STOCKDALE	0.62	0730 AM 10/31
1 NW NEW BRAUNFELS	0.62	0900 AM 10/31
3 WNW LACKLAND AFB	0.60	0600 AM 10/31
3 SSW MCQUEENEY	0.57	0815 AM 10/31
2 W SUTHERLAND SPRINGS	0.56	0700 AM 10/31
2 NNE D`HANIS	0.54	0700 AM 10/31
3 W RIO MEDINA	0.54	1217 PM 10/31
4 NW BOERNE	0.53	0700 AM 10/31
FLATONIA	0.50	0905 AM 10/31
PLEASANTON #2	0.49	0800 AM 10/31
6 WNW BLANCO	0.48	1212 PM 10/31
9 SSW BERTRAM	0.47	0800 AM 10/31
PORT SAN ANTONIO	0.43	0658 AM 10/31
CENTER POINT	0.42	0800 AM 10/31
1 S SPICEWOOD	0.41	0700 AM 10/31
PLEASANTON	0.40	0800 AM 10/31
JOHNSON CITY	0.40	0800 AM 10/31
8 SSW BERTRAM	0.38	1135 AM 10/31
5 ENE PLEASANTON	0.37	0800 AM 10/31
6 WSW BOERNE	0.37	0800 AM 10/31
1 WNW SPICEWOOD	0.35	0800 AM 10/31
3 NNE NEW BRAUNFELS	0.35	0500 AM 10/31
1 NW BOERNE	0.33	0725 AM 10/31
3 ENE BERTRAM	0.33	0700 AM 10/31
MEDINA	0.32	0700 AM 10/31
10 SW GONZALES	0.31	0700 AM 10/31
4 W LIBERTY HILL	0.31	0608 AM 10/31
1 WSW INKS LAKE STATE PARK	0.31	0426 AM 10/31
4 NNW LAKEHILLS	0.31	0800 AM 10/31
4 NNW PIPE CREEK	0.30	0800 AM 10/31
6 NE YANCEY	0.29	1210 PM 10/31
1 W PEARSALL	0.28	1210 PM 10/31
5 SW EZZELL	0.27	0700 AM 10/31
RANDOLPH AFB	0.27	0658 AM 10/31
6 SSW KNIPPA	0.27	0601 AM 10/31
4 E BANDERA	0.26	0800 AM 10/31
4 NNW PIPE CREEK	0.25	0700 AM 10/31
5 WSW CHINA GROVE	0.25	0800 AM 10/31
2 ENE UTOPIA	0.25	0700 AM 10/31
5 SW SUBLIME	0.24	0800 AM 10/31
PLEASANTON MUNICIPAL AIRPORT	0.24	0655 AM 10/31
5 SSE KERRVILLE STATE PARK	0.23	0800 AM 10/31
3 W BANDERA	0.23	0715 AM 10/31
GONZALES AIRPORT	0.21	0655 AM 10/31
7 ENE LBJ STATE PARK	0.21	0700 AM 10/31

2 SSE HALLETTSVILLE	0.21	0615 AM 10/31
CAMP VERDE	0.20	0900 AM 10/31
GONZALES 1N	0.20	0700 AM 10/31
5 W LIBERTY HILL	0.20	0800 AM 10/31
8 NW PEARSALL	0.20	0800 AM 10/31
1 S TARPLEY	0.20	1215 PM 10/31
7 SSW CUERO	0.19	0600 AM 10/31
5 ESE SHINER	0.19	0825 AM 10/31
8 W CASTROVILLE	0.19	0700 AM 10/31
4 NE SHINER	0.19	0700 AM 10/31
9 E HONDO	0.18	0800 AM 10/31
GARNER FIELD AIRPORT	0.18	0655 AM 10/31
KERRVILLE MUNI /LOUIS SCHREINE	0.16	0655 AM 10/31
2 ENE KERRVILLE	0.15	0900 AM 10/31
6 NNW SPEAKS	0.15	0700 AM 10/31
1 WSW GARDEN RIDGE	0.15	1219 PM 10/31
6 N SISTERDALE	0.15	0615 AM 10/31
2 NW LIVE OAK	0.15	1218 PM 10/31
2 SSW KERRVILLE STATE PARK	0.14	0800 AM 10/31
3 E CALAVERAS LAKE	0.14	0700 AM 10/31
RUNGE	0.14	0700 AM 10/31
6 ESE MOULTON	0.13	0700 AM 10/31
LLANO	0.13	0900 AM 10/31
1 S KINGSLAND	0.13	0700 AM 10/31
8 N HALLETTSVILLE	0.13	0715 AM 10/31
KERRVILLE 3 NNE	0.12	0800 AM 10/31
SABINAL	0.12	0700 AM 10/31
5 ENE KERRVILLE	0.11	0700 AM 10/31
MEADOWLAKES	0.11	0800 AM 10/31
5 W POTEET	0.11	0700 AM 10/31
1 N LBJ STATE PARK	0.10	0308 AM 10/31
LA GRANGE	0.10	0655 AM 10/31
1 NW MARBLE FALLS	0.10	0800 AM 10/31
HONDO MUNICIPAL AIRPORT	0.09	0700 AM 10/31
MEADOWLAKES	0.09	1000 AM 10/31
STINSON MUNICIPAL AIRPORT	0.08	0700 AM 10/31
2 NE INKS LAKE STATE PARK	0.07	0700 AM 10/31
1 NW GRANITE SHOALS	0.07	0800 AM 10/31
HORSESHOE BAY RESORT AP	0.07	0655 AM 10/31
17 WNW ROCKSPRINGS	0.07	1001 AM 10/31
2 SSW BRACKETTVILLE	0.05	0700 AM 10/31
1 SE FREDERICKSBURG	0.05	0700 AM 10/31
6 ESE FRIO TOWN	0.05	0800 AM 10/31
3 W HARPER	0.05	0700 AM 10/31
3 S HONDO	0.05	0800 AM 10/31
1 W KINGSLAND	0.05	0700 AM 10/31
EL INDIO	0.05	0700 AM 10/31
FREDERICKSBURG	0.05	0655 AM 10/31
INGRAM	0.04	0700 AM 10/31
BRACKETTVILLE	0.04	0800 AM 10/31
GOLD	0.04	0700 AM 10/31
5 W LLANO	0.04	0900 AM 10/31
WATSON	0.03	0700 AM 10/31
WILLOW CITY	0.03	0700 AM 10/31
8 NE INGRAM	0.03	0800 AM 10/31
11 ESE HARPER	0.03	0800 AM 10/31
BURNET	0.03	0800 AM 10/31
2 WSW WILLOW CITY	0.03	0700 AM 10/31
6 ENE BUCHANAN DAM	0.03	0800 AM 10/31
4 NE BUCHANAN DAM	0.02	0900 AM 10/31

TOW	0.02	0800 AM 10/31
3 ENE INKS LAKE STATE PARK	0.02	0800 AM 10/31
5 N HARPER	0.02	0800 AM 10/31
3 WNW INGRAM	0.02	0700 AM 10/31
1 SSE HUNT	0.02	0700 AM 10/31
4 NE HUNT	0.02	0700 AM 10/31
9 WSW FREDERICKSBURG	0.02	0700 AM 10/31
12 ENE ROCKSPRINGS	0.01	0700 AM 10/31
6 NNE ROCKSPRINGS	0.01	0700 AM 10/31
12 SE PANDALE	0.01	0700 AM 10/31
4 SW HUNT	0.01	0700 AM 10/31
BURNET MUNICIPAL KATE CRADDOCK	0.01	0700 AM 10/31
YOAKUM	0.01	0801 AM 10/31
11 NE LOYAL VALLEY	0.01	1205 PM 10/31
12 ESE TELEGRAPH	0.01	1218 PM 10/31

OBSERVATIONS ARE COLLECTED FROM A VARIETY OF SOURCES WITH VARYING EQUIPMENT AND EXPOSURE. NOT ALL DATA LISTED IS CONSIDERED OFFICIAL.

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NWS AUSTIN/SAN ANTONIO TX

PRELIMINARY LOCAL STORM REPORT...SUMMARY  
 NATIONAL WEATHER SERVICE AUSTIN/SAN ANTONIO TX  
 115 PM CDT THU OCT 31 2013

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
0853 PM 10/30/2013	FLASH FLOOD	2 ESE HELOTES BEXAR	29.55N 98.66W TX AMATEUR RADIO
	ONE FOOT OF WATER OVER THE STREET AT THE LOW WATER CROSSING POINT ON SOUTH HAUSMAN ROAD		
1000 PM 10/30/2013	HEAVY RAIN E4.00 INCH	2 SW ROUND ROCK WILLIAMSON	30.50N 97.70W TX TRAINED SPOTTER
	BETWEEN 3.75 AND 4 INCHES OF RAIN IN THE LAST 4 HOURS. STREET FLOODING ON DEEPWOOD DRIVE.		
1007 PM 10/30/2013	HEAVY RAIN M4.50 INCH	3 N PFLUGERVILLE TRAVIS	30.48N 97.62W TX COCORAHS
	4.50 INCHES OF RAIN IN THE LAST 2.25 HOURS.		
1018 PM 10/30/2013	HEAVY RAIN M5.10 INCH	3 S JOLLYVILLE TRAVIS	30.40N 97.75W TX CO-OP OBSERVER
	5.10 INCHES FOR THE DAY. 4.61 INCHES IN 2.75 HOURS THIS EVENING.		



1030 PM HEAVY RAIN 5 NNE PFLUGERVILLE 30.51N 97.59W  
10/30/2013 M5.93 INCH WILLIAMSON TX COCORAHS

5.93 INCHES SO FAR FOR THE DAY. 4.85 INCHES IN THE LAST  
75 MINUTES.

1106 PM FLASH FLOOD 3 ENE PFLUGERVILLE 30.46N 97.58W  
10/30/2013 TRAVIS TX PUBLIC

4 FEET OF WATER OVER THE ROAD. CARS SWEEPED OFF THE ROAD.  
TWO WATER RESCUES AT GRAND AVENUE PARKWAY.

1200 AM HEAVY RAIN 1 SW THE DOMINION 29.65N 98.62W  
10/31/2013 E2.49 INCH BEXAR TX AMATEUR RADIO

BETWEEN 2.25 AND 2.5 INCHES OF RAIN IN THE LAST 3  
HOURS.

1205 AM HEAVY RAIN DRIFTWOOD 30.12N 98.03W  
10/31/2013 M5.60 INCH HAYS TX TRAINED SPOTTER

5.60 INCHES OF RAIN IN THE LAST 6 HOURS.

0115 AM FLASH FLOOD 5 NNE PFLUGERVILLE 30.51N 97.59W  
10/31/2013 WILLIAMSON TX COCORAHS

8.82 INCHES OF RAINFALL HAS FALLEN IN THE LAST 24 HOURS  
WITH 8.69 INCHES OF RAIN FALLING BETWEEN 730PM AND 115AM

0115 AM FLASH FLOOD 3 N PFLUGERVILLE 30.48N 97.62W  
10/31/2013 TRAVIS TX COCORAHS

8.00 INCHES OF RAIN IN THE PAST 6 HOURS.

0200 AM FLOOD 5 SSE SPRING BRANCH 29.80N 98.37W  
10/31/2013 COMAL TX NWS EMPLOYEE

ELM CREEK WAS RUNNING AT 40 TO 50 FEET WIDE...NORMALLY  
IT FLOWS ABOUT 4 FEET WIDE

0212 AM FLASH FLOOD 1 NW NEW BRAUNFELS 29.71N 98.13W  
10/31/2013 COMAL TX CITY OFFICIAL

EVACUATIONS ARE TAKING PLACE ALONG RIVER ROAD IN NEW  
BRAUNFELS.

0407 AM FLASH FLOOD 6 NE MUSTANG RIDGE 30.11N 97.62W  
10/31/2013 TRAVIS TX LAW ENFORCEMENT

WATER OVER THE ROADWAY ALONG FM812 BETWEEN HIGHWAY 21  
AND ELROY ROAD

0600 AM FLASH FLOOD 6 N SAN MARCOS 29.97N 97.93W  
10/31/2013 HAYS TX COCORAHS

ONE FOOT OF WATER ON ROAD...PAVEMENT WASHED OUT IN  
PLACES...FENCES WASHED OUT. NEARBY BLANCO RIVER WAS 100  
FEET OUT OF ITS BANKS...DEBRIS SEEN IN TREES

0800 AM FLASH FLOOD 1 NW WIMBERLEY 30.00N 98.11W  
10/31/2013 HAYS TX CO-OP OBSERVER

0800 24 HOUR RAINFALL AMOUNT 12.45 INCHES...DOPPLER  
STORM TOTAL ESTIMATE AT THIS LOCATION 12.31 INCHES. ONE  
HALF INCH DEEP WATER FLOODING A WORKSHOP. HEAVIEST RAINS  
FELL DURING THE EARLY MORNING HOURS.

0800 AM FLASH FLOOD WIMBERLEY 29.99N 98.10W  
10/31/2013 HAYS TX PUBLIC

0800 UNOFFICIAL RAINFALL TOTAL OF 14.01 INCHES. OF  
INTEREST...CITIZEN REPORTS THAT THE RIVER LEVEL NEAR THE  
CONFLUENCE OF THE BLANCO RIVER AND CYPRESS CREEK WAS  
OBSERVED TO BE HIGHER THAN THAT OF THE FLOOD OF 1998