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| **Incident Name:**  *Mallard Fire*  TX-TXS-180461 | **IR Interpreter(s):**  Buck Buchanan  Kozy4ster@bellsout.net | **Local Dispatch Phone:**  936-875-4786 | **Interpreted Size (acres):**  63,888  **Growth from 05/11/2018 (acres):**  16,481 |
| **Flight Time:**  0032 CDT  **Flight Date:**  05/12/2018 | **Interpreter(s) location:**  Kosciusko, MS  **Interpreter(s) Phone:**  601-663-6927 | **GACC IR Liaison:**  Scott Wilkinson  **GACC IR Liaison Phone:**  501-538-5827 | **National Coordinator:**  **National Coord. Phone:** |
| **Ordered By:**  Melissa Forder, SITL | **A Number:**  20 | **Aircraft/Scanner System:**  N149Z/Phoenix | **Pilots/Techs:**  Boyce/Netcher/Mann |
| **IRIN Comments on imagery:**  Clear imagery, Good Geo-referencing | | **Weather at time of flight:**  Clear | **Flight Objective:**  Map heat perimeter, intense heat, scattered heat, and isolated heat sources. |
| **Date and Time Imagery Received by Interpreter:**  05/12/2018 0105 CDT | | **Type of media for final product:**  Shapefiles, kmz, pdf maps, IR log file  **Digital files sent to:**  NIFC FTP: /incident\_specific\_data/southern/Texas/2018\_FIRES/2018\_Mallard/IR/20180512/ | |
| **Date and Time Products Delivered to Incident:**  05/12/2018 0425 CDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  Started with the IR perimeter from 5/11/2018 supplied by the IMT GISS.  The detected heat on the largest polygon was found mostly in the canyon between Highway 287 to the north, Mitchell Peak to the east, Road 207 to the west, and Goodnight Canyon to the south. Intense heat was found mostly on the east and west flanks in the north half. Most of the rest of the area was covered in scattered heat signatures. There were a few isolated heat sources on the north end That could not be tied to a perimeter due to lack of heat signatures.  A smaller polygon was mapped to the southeast along Hackberry Creek. There were only a few isolated heat sources within this area. The perimeter was based more on what appeared to be firebreaks and a difference in vegetative temperature. If the team wishes to disregard this polygon in the future, please let me know.  There were four isolated heat sources mapped between and east of these polygons. The first was located north of West Fork Cottonwood Creek. The second was west of the service road above Mulberry Creek. The third was in the Tate Arroyo drainage. The fourth was found east of the small polygon and west of Dogie Canyon.  2 maps, KMZ, shapefiles and log included in upload to ftp.  Please contact me with map errors, perimeter updates or questions to ensure future product improvements.  Thank you,  Buck Buchanan  [kozy4ster@bellsouth.net](mailto:kozy4ster@bellsouth.net) / 601-663-6927cell/txt | | | |