# NEW MEXICO TECH LIGHTNING MAPPING SYSTEM
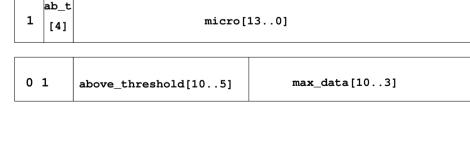## DATA FORMAT VERSION 9
## January 26, 2004

## Sample Frequency is 25 MHz

| 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|

| 1 | hc11 | pc[6] | version[5..0] | | year[6..0] | |

| 1 | lead_lag | phase_count[5..0] | | threshold[7..0] | |

| 1 | fifo_status[2..0] | second[5..0] | | minute[5..0] | |

| 1 | lock | hour[4..0] | day[4..0] | | month[3..0] |

| 1 | | id[6..0] | | trig_count[16..9] | |

| 1 | 0 | 0 | track[3..0] | | trig_count[8..0] |

| 0 | above_thresh[3..0] | micro[16..14] | | nano[7..0] | |

| 1 | ab_t[4] | micro[13..0] | |

| 0 1 | | above_threshold[10..5] | | max_data[10..3] | |

## Example

| status | data | data | data | data | data | data | data | data | status |
|--------|------|------|------|------|------|------|------|------|--------|

Time for this set of data is in this status word