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## SFA Weather Station-March 2009

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| STATION (Climatological) NACOGDOCHES                |                  |                  |  |                                       |                              |                                      |   | (River Station, if different) |   |          |                   |                      |                   | Month<br>Mar 2009   |                     |            |         |                       |   |  | <b>WS</b> I         | -09) NATIONAL OCEANIC AND ATMO        |             |          |           |                 |                              |             | U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION |       |  |         |                              |
|---|------------------|------------------|--|---------------------------------------|------------------------------|--------------------------------------|---|-------------------------------|---|----------|-------------------|----------------------|-------------------|---|---------------------|------------|---------|-----------------------|---|--|---------------------|---------------------------------------|-------------|----------|-----------|-----------------|------------------------------|-------------|---|-------|--|---------|------------------------------|
| STATE COUNTY NACOGDOCHES                            |                  |                  |  |                                       |                              |                                      |   |                               |   |          |                   |                      | RIVE              | IVER  |                     |            |         |                       |   |  |                     |                                       |             |          |           |                 |                              |             |   |       | NATIONAL WEATHER SERVICE                         |         |                              |
| TIME (local) OF OBSERVATION RIVER TEMPERATURE 07:00 |                  |                  |  |                                       |                              |                                      |   |                               |   |          |                   | STANDARD TIME IN USE |                   |   |                     |            |         |                       | RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS |  |                     |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |
| TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO     |                  |                  |  |                                       |                              |                                      | FLOOD STAGE NO  |                               |   |          |                   | NOR                  | NORMAL POOL STAGE |   |                     |            |         |                       |   |  |                     |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |
|   | TEN              | <b>IPERAT</b>    |  |                                       |                              | PRECIPITAT                           |   |                               |   |          |                   |                      |                   |   |                     |            |         |                       |   |  | WEATHER (Obse       |                                       |             |          | 4         |                 |                              | RIVER STAGE |   |       |  |         |                              |
|   | 4 HRS            | ENDING           |  | 24 HR AM                              | <u>OUNTS</u>                 | AT OB                                | Draw a straight line () through h ( ~~~~ ) through hours pred |                               |   |          |                   |                      | h hour<br>recipit | hours precipitation was observed, and a wavy line recipitation probably occurred unobserved |                     |            |         |                       |   |  | Mark                | k 'X' for                             | r all typ   | es occu  | rring e   | each da         | ay                           | irrence     |   | Gage  |  |         |                              |
|   | Α                |                  | l .  | nelted<br>etc.<br>1<br>sdths)         | · = =                        | ig hail                              | A.M.  |                               |   |          |                   |                      |                   | OON   |                     |            |         |                       |   |  |                     |                                       | ellets      |          | Jer       |                 | j                            |             | f occu  | ition | reading<br>at                                    | ency    |                              |
| DAT   |                  | VALION           |  | Rain, n<br>snow,<br>(in and<br>hundre | Snow,<br>pellets,<br>(ins.an | Snow,<br>sellets,<br>se on<br>vround |   |                               |   |          |                   |                      |                   |   |                     |            |         |                       |   |  | go                  | ce pe                                 |             | Phun     |           | =   8           | Dama<br>winds                | E E E       | Sondi   | AM    | Lende  | REMARKS |                              |
| _   | MAX              | MIN              | OBSM   |                                       | 0,40                         | 07 12.2 0                            | 1 2   | 2 3                           | 4 5   | 6        | 7 8               | 9 1                  | 0 11              | 1   | 2                   | 3 4        | 5       | 6 7                   | 8 9   | 10   | 11                  |                                       | _           | $\vdash$ | 1         |                 |                              |             | F := 0  |       | <u> </u>   |         | (SPECIAL OBSERVATIONS, ETC.) |
| $\vdash$  | 58               | 28               |  | 0.00                                  |                              |                                      | $\sqcup$  | Н                             | $\bot\!$  | 4        | $\sqcup$          | _                    | Н                 | _   | Щ                   | 11         |         | Н                     | $\bot$  | Н  | $\perp \! \! \perp$ |                                       |             | _        |           | +               | _                            | _           |   |       | ļ  |         |                              |
| $\vdash$  | 54               | 26               |  | 0.00                                  |                              |                                      | $\sqcup$  | Н                             | $\bot\!$  | 4        | $\sqcup$          | _                    | Н                 | $\perp$   | Щ                   | $\sqcup$   |         | $\sqcup$              | $\bot$  | Н  | Ш                   |                                       |             | _        |           | 4               | _                            | _           |   |       |  |         |                              |
| $\vdash$  | 60               | 26               |  | 0.00                                  |                              |                                      | Ш   | Ш                             | $\perp \! \! \perp$   |          | Ш                 | _                    | Ш                 | $\perp$   | Щ                   | Ш          |         | Ш                     | _   | Щ  |                     |                                       |             |          | ↓_        | $\bot$          | _                            |             |   |       |  |         |                              |
| 4   | 61               | 35               | 50   | 0.00                                  |                              |                                      | Ш   | Ш                             | Ш   | Щ        | Ш                 | _                    | Ш                 | $\perp$   | Щ                   | Щ          | $\perp$ | Щ                     | $\bot$  | Щ  | Ш                   |                                       |             |          |           | _               | _                            |             |   |       |  |         |                              |
| 5   | 75               | 50               | 57   | 0.00                                  |                              |                                      | Ш   | Ш                             | Ш   |          | Ш                 |                      | Ц                 |   | Ш                   | Ш          |         | Ц                     | $\perp$   | Ц  | Ш                   |                                       |             |          |           | $\perp$         |                              |             |   |       |  |         |                              |
| 6   | 83               | 57               | 65   | 0.00                                  |                              |                                      | Ш   | Ш                             | Ш   |          | Ш                 |                      | Ш                 |   | Ш                   | Ш          |         | Ц                     |   | Ш  | Ш                   |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |
| 7   | 83               | 64               | 64   | 0.00                                  |                              |                                      |   |                               |   |          |                   |                      |                   |   |                     |            |         |                       |   |  |                     |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |
| 8   | 82               | 64               | 68   | 0.00                                  |                              |                                      |   |                               |   |          |                   | 1 (1)<br>20 (2)      |                   |   |                     |            |         |                       |   |  |                     |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |
| 9   | 81               | 66               | 66   | 0.00                                  |                              |                                      |   |                               | П   |          |                   | 1 6                  | П                 |   |                     |            |         | П                     |   | П  |                     |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |
| 10  | 83               | 66               | 67   | 0.00                                  |                              |                                      |   |                               | П   |          | П                 |                      | П                 |   |                     | П          |         |                       |   | П  |                     |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |
| 11  | 84               | 67               | 68   | 0.00                                  |                              |                                      |   | П                             | П   |          | П                 |                      | П                 |   |                     | П          |         | П                     |   | П  |                     |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |
| 12  | 68               | 39               | 39   | 1.11                                  |                              |                                      | 1 2   | 2 3                           | 4 5   | 6        | 7 8               | 9 1                  | 0 11              | 1   | 2                   | 3 4        | 5       | 6 7                   | 8 9   | 10   | 11                  |                                       |             |          |           | T               |                              |             |   |       |  |         |                              |
| 13  | 41               | 39               | 40   | 0.98                                  |                              |                                      | T   | П                             | П   |          | П                 | Т                    | П                 | 1   | П                   | П          | П       | П                     | Т   | П  | П                   |                                       |             |          | 1         | $\top$          | $\top$                       | 一           |   |       |  |         |                              |
| 14  | 41               | 39               | 41   | 1.52                                  |                              |                                      | $\vdash$  | H                             | $\top$  |          | Ħ                 |                      | H                 | 1   | $\sqcap$            | $\top$     | $\top$  | Ħ                     |   | Н  | H                   |                                       |             |          | $\dagger$ | T               |                              | _           |   |       |  |         |                              |
| 15  | 46               | 41               | 46   | 0.03                                  |                              |                                      |   | $\sqcap$                      | $\top \!$ |          | ${}^{\dag}$       |                      | H                 | T   | $\sqcap$            | $\top$     | $\top$  | Ħ                     | $\top$  | Н  | Ħ                   |                                       |             |          | †         | $\top$          | $\top$                       | $\dashv$    |   |       |  |         |                              |
| 16  | 52               | 46               | 48   | 0.03                                  | -                            |                                      | $\vdash$  | H                             | $\forall \exists$   |          | Ħ                 | $\top$               | $\forall$         | $\top$  | H                   | $\forall$  | $\top$  | Ħ                     | +   | H  | $\forall \exists$   |                                       |             |          | +         | +               | +                            | $\dashv$    |   |       |  |         |                              |
|   | 73               | 48               |  | 0.00                                  |                              |                                      | $\vdash$  | $\vdash$                      | +   | +        | ${}^{\dag \dag}$  | +                    | $\vdash$          | $\top$  | $\vdash$            | +          | +       | ${}^{\dagger\dagger}$ | +   | $\vdash$                                     | Н                   |                                       |             |          | +         | +               | +                            | $\dashv$    |   |       | 1  |         |                              |
|   | 68               | 39               | US- 200  | 0.00                                  | -                            |                                      | $\vdash$  | $\vdash$                      | +   | +        | ${}^{\dag \dag}$  | +                    | $\vdash$          | $\top$  | $\vdash$            | ╫          | $\top$  | $\forall$             | +   | $\vdash$                                     | +                   |                                       |             | 1        | +-        | +               | +                            | $\dashv$    |   |       | 1  |         |                              |
|   | 78               | 39               | 0.00   | 0.00                                  | 21                           |                                      | $\vdash$  | $\forall t$                   | +   |          | $\forall \exists$ | +                    | $\forall$         | +   | $\vdash$            | +          |         | $\forall$             | +   | $\vdash$                                     | +                   |                                       |             | 1        | +-        | +               | +                            | _           |   |       | <del> </del>                                     |         |                              |
| 1   | 81               | 41               |  | 0.00                                  |                              |                                      | $\vdash$  | $\vdash$                      | ++  | +        | ╫                 | +                    | $\vdash$          | +   | $\vdash$            | +          | +       | ++                    | +   | $\vdash$                                     | ++                  |                                       |             | 1        | +-        | +               | +                            | $\dashv$    |   |       |  |         |                              |
| 24  | 77               | 47               | 20 -88   | 0.00                                  |                              |                                      | $\vdash$  | ╁                             | ╫   | +        | ₩                 | +                    | ╁                 | +   | $\vdash$            | ╫          | +       | ₩                     | +   | Н  | ++                  |                                       |             |          | +-        | +               | +                            | $\dashv$    |   |       | <del>                                     </del> |         |                              |
|   | 78               | 47               | -0000 think                                      | 0.00                                  |                              |                                      | 1 1   | 2 3                           | 4 5   | 6        | 7 8               | 9 1                  | 0 11              | 1   | 2                   | 3 4        | 5       | 6 7                   | 8 0   | 10   | 11                  |                                       |             | +        | +         | +               | +                            | $\dashv$    |   |       | <del> </del>                                     |         |                              |
|   | 81               | 52               |  | 0.00                                  |                              |                                      | <del>                                     </del>              |                               | , ,<br>T T  | Ť        | , ,<br>T T        | <u> </u>             |                   | +   |                     | <u>, ,</u> | Ť       | <del>,</del>          | <u> </u>  |  | 1                   |                                       |             | +        | +         | +               | +                            | _           |   |       |  |         |                              |
| $\vdash$  | 79               | 61               |  | 0.00                                  |                              |                                      | $\vdash$  | ++                            | ++  | +        | ╁┼                | +                    | ╁┼                | +   | ${f H}$             | ++         | +       | ++                    | +   | ╁  | ++                  |                                       |             | +        | +-        | +               | +                            | $\dashv$    |   |       |  |         |                              |
| $\vdash$  | 79<br>79         | 50               |  | 0.00                                  |                              |                                      | $\vdash\vdash$  | ₩                             | ++  | +        | ╫                 | +                    | ╁┼                | +   | ${f H}$             | ++         | +       | ++                    | +   | ╁  | ++                  |                                       |             | $\vdash$ | +-        | +               | +                            | $\dashv$    |   |       |  |         |                              |
| $\vdash$  | 63               | 48               |  | 1.06                                  |                              |                                      | $\vdash$  | ₩                             | ╫   | +        | ╫                 | +                    | ╁┼                | +   | $\dashv$            | ╫          | +       | ₩                     | +   | ₩  | ++                  |                                       |             | $\vdash$ | +-        | +               | +                            | $\dashv$    |   |       |  |         |                              |
| $\vdash$  |                  |                  | <del></del>                                      |                                       | - 1                          |                                      | ++  | $\vdash$                      | ++  |          | ++                | +                    | $\vdash$          | +   | $\vdash$            | +          | +       | ++                    | +   | $\vdash$                                     | ++                  |                                       |             | -        | +         | +               | +                            | $\dashv$    |   |       |  |         |                              |
| $\vdash$  | 70               | 52               |  | 0.01                                  |                              |                                      | $\vdash$  | ₩                             | ++  | $\vdash$ | ++                | +                    | ╁                 | +   | $\dashv$            | ++         | +       | ++                    | +   | ₩  | ++                  |                                       |             | -        | +-        | +               | +                            | $\dashv$    |   |       |  |         |                              |
| $\vdash$  | 70               | 35               |  | 0.39                                  |                              |                                      | $\vdash$  | ₩                             | +   | $\vdash$ | ₩                 | +                    | ₩                 | +   | ${oldsymbol{dash}}$ | +          | +       | ₩                     | +   | ₩  | ++                  |                                       |             |          | +-        | +               | +                            | $\dashv$    |   |       |  |         |                              |
| $\vdash$  | 55               | 34               |  | 0.00                                  | -                            |                                      | $\vdash$  | ₩                             | +   | $\vdash$ | ₩                 | +                    | ₩                 | +   | $\dashv$            | +          | +       | ++                    | +   | ₩  | ++                  |                                       |             | -        | +         | +               | +                            | $\dashv$    |   |       |  | -       |                              |
| $\vdash$  | 69               | 40               |  | 0.00                                  |                              |                                      | $\vdash$  | $\vdash$                      | +   |          | ++                | +                    | $\vdash$          | +   |                     | +          | +       | ++                    | +   | $\vdash \vdash$                              | +                   |                                       |             |          |           | +               | +                            | _           |   |       |  |         |                              |
| $\vdash$  | 70               | 44               | <del>                                     </del> | 0.36                                  | 5                            |                                      | Щ   |                               |   |          | <u> </u>          |                      | Ш                 |   | <u> </u>            |            |         |                       |   |  | 4                   |                                       |             | -        | +-        | +               | +                            | _           |   |       |  |         |                              |
| -   | union management | 46.1<br>OF RIVER | SUM<br>AT GAGE                                   | 6.40                                  | <u></u>                      |                                      | READING (for wire we  |                               |   |          |                   |                      | DATE              |   |                     |            |         | $\dashv$              | od  | led ec                                       | punų                |                                       | Hail Vainds |          |           |                 |                              | X           |   |       |  |         |                              |
| Α.  | Obstruc          | ted by ro        | orge belo  | w gage                                |                              |                                      |   |                               |   |          |                   |                      |                   |   |                     |            |         |                       | ERVE  |  | <u>I ⊢</u>          | FIIOSV V FO TEST (admin) on 03 Sep 20 |             |          |           |                 |                              |             | 02.50DM   |       |  |         |                              |
| B.  | Frozen,          | but open         | at gage  | F. Shore<br>G. Floati                 | e ice                        | 5 5                                  |   |                               |   |          |                   |                      |                   |   |                     |            |         | $\rightarrow$         |   |  | ARG                 |                                       |             | 2 T.     | (adi      | ιιι <b>Τ</b> Π) | on                           | US Sep      | 2005  |       |  |         |                              |
| D.  | lce gorg         | ge above         | gage   | H. Pool stage                         |                              |                                      |   |                               |   |          |                   |                      |                   |   |                     |            |         |                       |   | UPERVISING OFFICE  HV Shreveport  41-6177-04 |                     |                                       |             |          |           |                 | STATION INDEX NO. 41-6177-04 |             |   |       |  |         |                              |
| <u></u>   |                  |                  |  |                                       |                              |                                      |   |                               |   |          |                   |                      |                   |   |                     |            |         |                       |   |  |                     |                                       |             |          |           |                 |                              |             |   |       |  |         |                              |