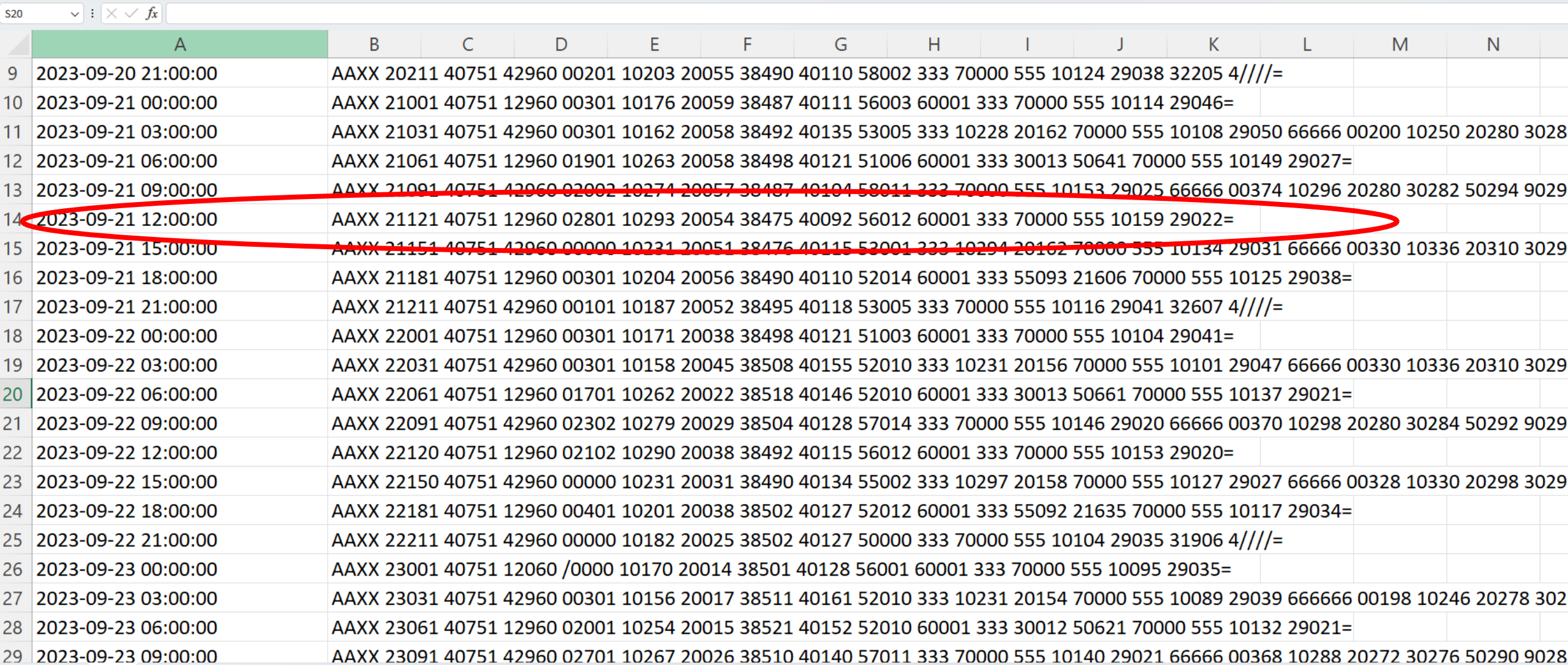
Session 7:
Practical Data Processing and Visualization with SYNOP Weather Data

What is the Scenario?



S20

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
9	2023-09-20 21:00:00	AAXX 20211 40751 42960 00201 10203 20055 38490 40110 58002 333 70000 555 10124 29038 32205 4////=												
10	2023-09-21 00:00:00	AAXX 21001 40751 12960 00301 10176 20059 38487 40111 56003 60001 333 70000 555 10114 29046=												
11	2023-09-21 03:00:00	AAXX 21031 40751 42960 00301 10162 20058 38492 40135 53005 333 10228 20162 70000 555 10108 29050 66666 00200 10250 20280 3028												
12	2023-09-21 06:00:00	AAXX 21061 40751 12960 01901 10263 20058 38498 40121 51006 60001 333 30013 50641 70000 555 10149 29027=												
13	2023-09-21 09:00:00	AAXX 21091 40751 42960 02002 10274 20057 38487 40104 58011 333 70000 555 10153 29025 66666 00374 10296 20280 30282 50294 9029												
14	2023-09-21 12:00:00	AAXX 21121 40751 12960 02801 10293 20054 38475 40092 56012 60001 333 70000 555 10159 29022=												
15	2023-09-21 15:00:00	AAXX 21151 40751 42960 00000 10231 20051 38476 40115 53001 333 10294 20162 70000 555 10134 29031 66666 00330 10336 20310 3029												
16	2023-09-21 18:00:00	AAXX 21181 40751 12960 00301 10204 20056 38490 40110 52014 60001 333 55093 21606 70000 555 10125 29038=												
17	2023-09-21 21:00:00	AAXX 21211 40751 42960 00101 10187 20052 38495 40118 53005 333 70000 555 10116 29041 32607 4////=												
18	2023-09-22 00:00:00	AAXX 22001 40751 12960 00301 10171 20038 38498 40121 51003 60001 333 70000 555 10104 29041=												
19	2023-09-22 03:00:00	AAXX 22031 40751 42960 00301 10158 20045 38508 40155 52010 333 10231 20156 70000 555 10101 29047 66666 00330 10336 20310 3029												
20	2023-09-22 06:00:00	AAXX 22061 40751 12960 01701 10262 20022 38518 40146 52010 60001 333 30013 50661 70000 555 10137 29021=												
21	2023-09-22 09:00:00	AAXX 22091 40751 42960 02302 10279 20029 38504 40128 57014 333 70000 555 10146 29020 66666 00370 10298 20280 30284 50292 9029												
22	2023-09-22 12:00:00	AAXX 22120 40751 12960 02102 10290 20038 38492 40115 56012 60001 333 70000 555 10153 29020=												
23	2023-09-22 15:00:00	AAXX 22150 40751 42960 00000 10231 20031 38490 40134 55002 333 10297 20158 70000 555 10127 29027 66666 00328 10330 20298 3029												
24	2023-09-22 18:00:00	AAXX 22181 40751 12960 00401 10201 20038 38502 40127 52012 60001 333 55092 21635 70000 555 10117 29034=												
25	2023-09-22 21:00:00	AAXX 22211 40751 42960 00000 10182 20025 38502 40127 50000 333 70000 555 10104 29035 31906 4////=												
26	2023-09-23 00:00:00	AAXX 23001 40751 12060 /0000 10170 20014 38501 40128 56001 60001 333 70000 555 10095 29035=												
27	2023-09-23 03:00:00	AAXX 23031 40751 42960 00301 10156 20017 38511 40161 52010 333 10231 20154 70000 555 10089 29039 666666 00198 10246 20278 302												
28	2023-09-23 06:00:00	AAXX 23061 40751 12960 02001 10254 20015 38521 40152 52010 60001 333 30012 50621 70000 555 10132 29021=												
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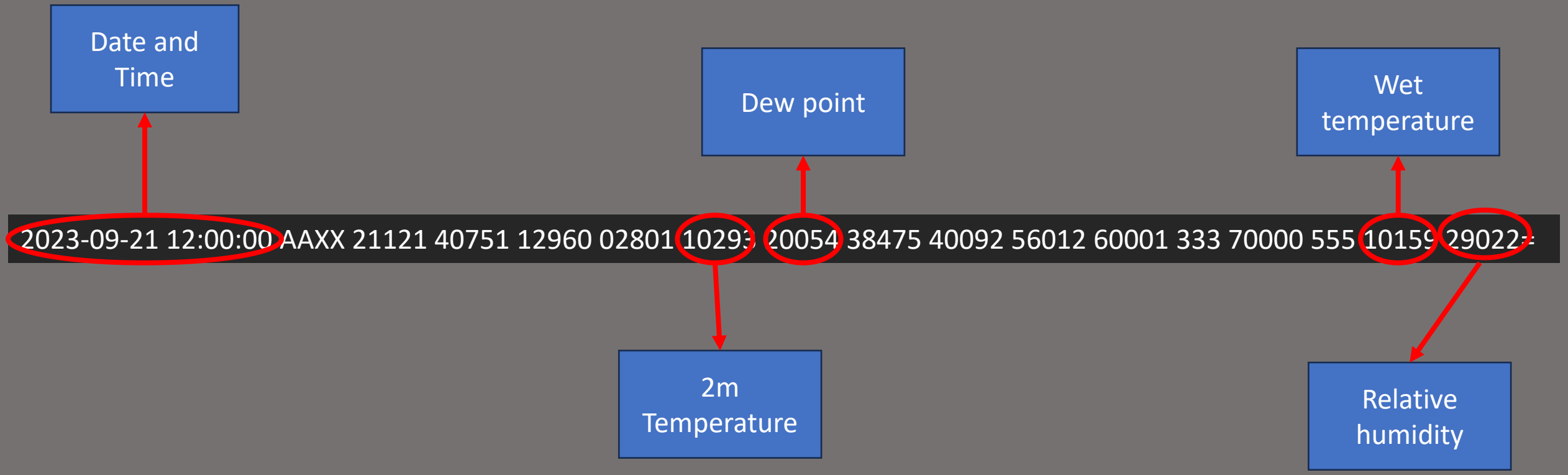
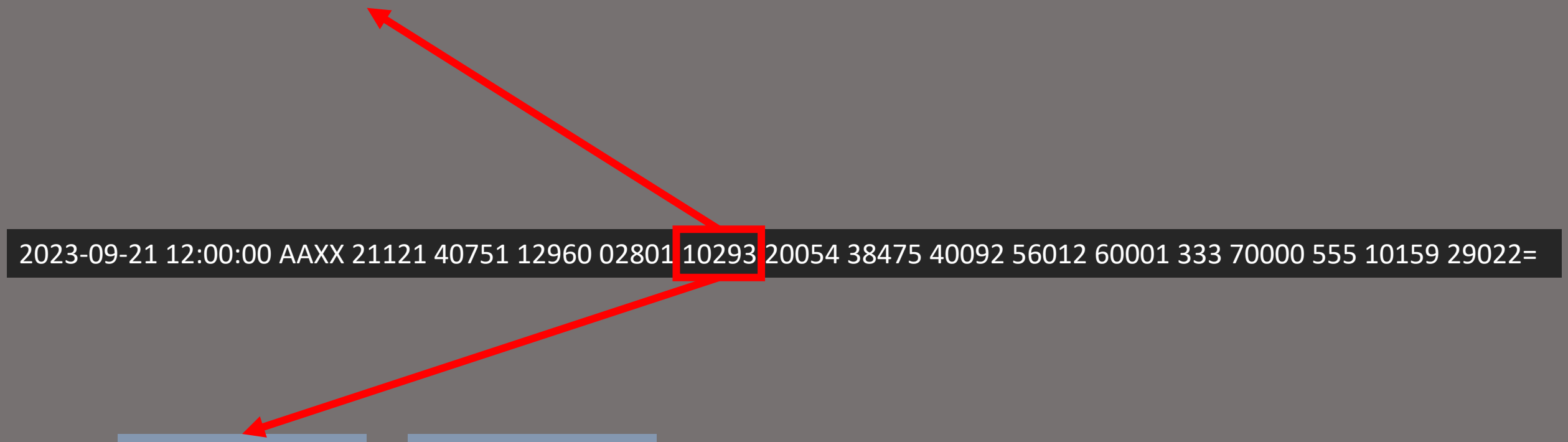

Date and Time
Dew point
Wet temperature
2023-09-21 12:00:00 AAXX 21121 40751 12960 02801 10293 20054 38475 40092 56012 60001 333 70000 555 10159 29022
2m Temperature
Relative humidity

10293 =29.3 °C



0 := +

1 := -

For example:
10256 = 25.6 ℃
11256 = -25.6 ℃