EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES PROJECT DEVELOPMENT PHASE

SPRINT 3

| Date | 05.11.2022 |
|--------------|--|
| Team ID | PNT2022TIMD30386 |
| Project Name | Emerging Methods For Early Detection Of Forest Fires |
| Team Leader | G. Saranya |
| Team Members | R. Sineha |
| | V. Vasuki |
| | N. Suganya |
| | |

In[4]: importmatplotlib.pyplotasplt importnumpyasnpimportpandas

aspdimportseabornassns

from sklearn import metrics from sklearn.metrics import

classification_report,confusion_matrix

In[5]: importwarningswarnings_filterwarnings(action="ignore")

%matplotlibinlinesns_set_style('darkgrid')

pd_set_option("display.max_rows",1000)

pd_set_option("display_max_columns",1000)

#showthefirst15 instanceofdatasetfires_head(15)

| Out[6]: | | | XYm | onth | day | FFMC | DMC | DC | | ISItemp | RHw | indraina | area | |
|---------|------------|---|-----|------|-----|------|-------|---------|-------|---------|-----|----------|------|-----|
| | 0 | | 75 | mar | fri | 86.2 | 26.2 | 94.3 | 5.1 | 8.2 | 51 | 6.7 | 0.0 | 0.0 |
| | 1 | 7 | 4 | oct | tue | 90.6 | 35.4 | 669.1 | 6.7 | 18.0 | 33 | 0.9 | 0.0 | 0.0 |
| | 2 | | 74 | oct | sat | 90.6 | 43.7 | 686.9 | 6.7 | 14.6 | 33 | 1.3 | 0.0 | 0.0 |
| | 3 | 8 | 6 | mar | fri | 91.7 | 33.3 | 77.5 | 9.0 | 8.3 | 97 | 4.0 | 0.2 | 0.0 |
| | 4 | | 86 | mar | sun | 89.3 | 51.3 | 102.2 | 9.6 | 11.4 | 99 | 1.8 | 0.0 | 0.0 |
| | 5 | 8 | 6 | aug | sun | 92.3 | 85.3 | 488.0 | 14.7 | 22.2 | 29 | 5.4 | 0.0 | 0.0 |
| | 6 | | 86 | aug | mon | 92.3 | 88.9 | 495.6 | 8.5 | 24.1 | 27 | 3.1 | 0.0 | 0.0 |
| | 7 | 8 | 6 | aug | mon | 91.5 | 145.4 | 608.2 | 10.7 | 8.0 | 86 | 2.2 | 0.0 | 0.0 |
| | 8 | | 86 | sep | tue | 91.0 | 129.5 | 692.6 | 7.0 | 13.1 | 63 | 5.4 | 0.0 | 0.0 |
| | 9 | 7 | 5 | sep | sat | 92.5 | 88.0 | 698.6 | 7.1 | 22.8 | 40 | 4.0 | 0.0 | 0.0 |
| | 10 | 7 | 5 | sep | sat | 92.5 | 88.0 | 698.6 | 7.1 | 17.8 | 51 | 7.2 | 0.0 | 0.0 |
| | 11 | 7 | 5 | sep | sat | 92.8 | 73.2 | 713.0 | 22.6 | 19.3 | 38 | 4.0 | 0.0 | 0.0 |
| | 12 (| 6 | 5 | aug | fri | 63.5 | 70.8 | 665.3 | 8.0 | 17.0 | 72 | 6.7 | 0.0 | 0.0 |
| | 13 | 6 | 5 | sep | mon | 90.9 | 126.5 | 686.5 | 7.0 | 21.3 | 42 | 2.2 | 0.0 | 0.0 |
| 0.0 | 146 0-0 | | 5 | se | ер | wed | 92.91 | 33.3699 | .69.2 | 26 | .4 | 21 | 4.5 | |

In[7]: fires_shape

(517**,**13**)**

Out[7]:

Out[8]:

In[8]: #showt he /ast10 instances ofdat asetf ires_tail(1!)

| | X | Υ | month | day | FFMC | DMC | DC | ISI | temp | RH | wind | rain | area |
|-----|---|---|-------|-----|------|-------|-------|------|------|----|------|------|-------|
| 502 | 4 | 4 | aug | tue | 96.1 | 181.1 | 671.2 | 14.3 | 20.7 | 69 | 4.9 | 0.4 | 0.00 |
| 503 | 2 | 4 | aug | wed | 94.5 | 139.4 | 689.1 | 20.0 | 29.2 | 30 | 4.9 | 0.0 | 1.95 |
| 504 | 4 | 3 | aug | wed | 94.5 | 139.4 | 689.1 | 20.0 | 28.9 | 29 | 4.9 | 0.0 | 49.59 |
| 505 | 1 | 2 | aug | thu | 91.0 | 163.2 | 744.4 | 10.1 | 26.7 | 35 | 1.8 | 0.0 | 5.80 |
| 506 | 1 | 2 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 18.5 | 73 | 8.5 | 0.0 | 0.00 |
| 507 | 2 | 4 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 25.9 | 41 | 3.6 | 0.0 | 0.00 |
| 508 | 1 | 2 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 25.9 | 41 | 3.6 | 0.0 | 0.00 |
| 509 | 5 | 4 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 21.1 | 71 | 7.6 | 1.4 | 2.17 |
| 510 | 6 | 5 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 18.2 | 62 | 5.4 | 0.0 | 0.43 |
| 511 | 8 | 6 | aug | sun | 81.6 | 56.7 | 665.6 | 1.9 | 27.8 | 35 | 2.7 | 0.0 | 0.00 |
| 512 | 4 | 3 | aug | sun | 81.6 | 56.7 | 665.6 | 1.9 | 27.8 | 32 | 2.7 | 0.0 | 6.44 |
| 513 | 2 | 4 | aug | sun | 81.6 | 56.7 | 665.6 | 1.9 | 21.9 | 71 | 5.8 | 0.0 | 54.29 |
| 514 | 7 | 4 | aug | sun | 81.6 | 56.7 | 665.6 | 1.9 | 21.2 | 70 | 6.7 | 0.0 | 11.16 |
| 515 | 1 | 4 | aug | sat | 94.4 | 146.0 | 614.7 | 11.3 | 25.6 | 42 | 4.0 | 0.0 | 0.00 |
| 516 | 6 | 3 | nov | tue | 79.5 | 3.0 | 106.7 | 1.1 | 11.8 | 31 | 4.5 | 0.0 | 0.00 |

In[9]: fires_info()

<class'pandas.core.frame.DataFrame'>
RangeIndex:517entries,0to516Data
columns(total13columns):
#ColumnNon-NullCountDtype

0 X517non-nullint64

- 1 Y 517non-nullint64
- 2 month517non-nullobject
- 3 day517non-nullobject
- 4 FFMC517non-nullfloat645DMC517non-nullfloat64
 - 6 DC517non-nullfloat64
 - 7 ISI517non-nullfloat64
 - 8 temp517non-nullfloat64
 - 9 RH517non-nullint64
 - 10 wind517non-nullfloat64

- 11 rain517non-nullfloat64
- 12 area517non-nullfloat64dtypes:float64(8),int64(3),object(2)memoryusage:52.6+KB

In[10]:
Out[10]:

#generatedescriptivestatisticsofeachattributefires_describe()_T

count

| X | 517.0 | 4.669246 | 2.313778 | 1.0 | 3.0 | 4.00 | 7.00 | 9.00 |
|------|-------|-----------|-----------|-----|------|-------|-------|-------|
| Υ | 517.0 | 4.299807 | 1.229900 | 2.0 | 4.0 | 4.00 | 5.00 | 9.00 |
| FFMC | 517.0 | 90.644681 | 5.5201111 | 8.7 | 90.2 | 91.60 | 92.90 | 96.20 |

DMC 517.0 110.872340 64.046482 1.1 68.6 108.30 142.40 291.30DC 517.0 547.940039 248.066192 7.9 437.7 664.20 713.90 860.60

fires['area']_values[fires['area']_values>0]=1 #renaming theareaattribute tooutputforclearunders tanding fires=fires_rename(columns={'area':'output'})fires_head(10) ISI 517.0 9.021663 4.559477 0.0 6.5 8.40 10.80 56.10 517.0 18.889168 5.806625 2.2 15.5 19.30 22.80 33.30 temp 517.0 44.288201 16.31746915.0 33.0 42.00 53.00 100.00 wind 517.0 4.017602 1.791653 0.4 2.7 4.00 4.90 9.40 0.00 6.40 rain 517.0 0.021663 0.295959 0.0 0.0 0.00 517.0 12.847292 63.655818 0.0 0.0 0.52 6.57 1090.84 area

In[11]:

 $\verb"Out[11]: XYmonth dayFFMCDMC DC ISItempRHwindrain output"$

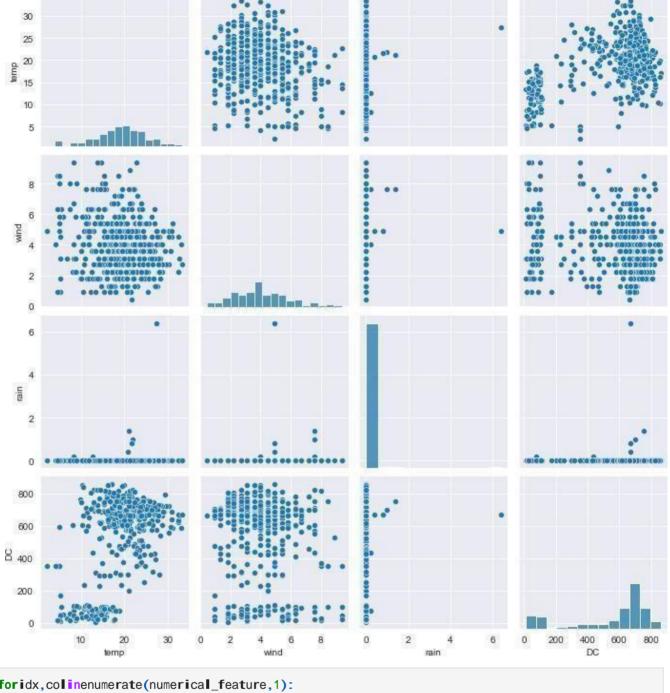
| 4 octsat 90.6 43.7 686.9 6.7 14.6 33 1.3 0.0 0.0 6 marfrimar 91.7 33.3 77.5 9.0 8.3 97 4.0 0.2 0.0 8 6 sun 89.3 51.3 102.2 9.6 11.4 99 1.8 0.0 0.0 6 augsun 92.3 85.3 488.0 14.7 22.2 29 5.4 0.0 0.0 6 aug mon 92.3 88.9 495.6 8.5 24.1 27 3.1 0.0 0.0 8 6 sepsat 91.5 145.4 608.2 10.7 8.0 86 2.2 0.0 0.0 9 1.0 129.5 692.6 7.0 13.1 63 5.4 0.0 0.0 | 0 | 7 | 5 | mar | 86.2 | 26.2 | 94.3 | 5.1 | 8.2 | 51 | 6.7 | 0.0 | 0.0 |
|---|---|---|---|---------------|---------|----------|-------------|-----|------|----|-----|-----|-----|
| 4 octsat 90.6 43.7 686.9 6.7 14.6 33 1.3 0.0 0.1 2 7 6 marfrimar 91.7 33.3 77.5 9.0 8.3 97 4.0 0.2 0.1 3 8 6 sun 89.3 51.3 102.2 9.6 11.4 99 1.8 0.0 0.1 4 8 6 augsun 92.3 85.3 488.0 14.7 22.2 29 5.4 0.0 0.1 6 aug mon 92.3 88.9 495.6 8.5 24.1 27 3.1 0.0 0.1 aug monsep tue 5 8 6 91.5 145.4 608.2 10.7 8.0 86 2.2 0.0 0.1 6 8 91.0 129.5 692.6 7.0 13.1 63 5.4 0.0 0.1 | 1 | 7 | 4 | friocttue | 90.6 | 35.4 60 | 59.1 | 6.7 | 18.0 | 33 | 0.9 | 0.0 | 0.0 |
| 6 marfrimar 91.7 33.3 77.5 9.0 8.3 97 4.0 0.2 0.1 3 8 6 sun 89.3 51.3 102.2 9.6 11.4 99 1.8 0.0 0.1 4 8 6 augsun 92.3 85.3 488.0 14.7 22.2 29 5.4 0.0 0.1 6 aug mon 92.3 88.9 495.6 8.5 24.1 27 3.1 0.0 0.1 aug monsep tue 5 8 6 91.5 145.4 608.2 10.7 8.0 86 2.2 0.0 0.1 6 8 91.0 129.5 692.6 7.0 13.1 63 5.4 0.0 0.1 | • | | 4 | octsat | 90.6 | 43.7 68 | 36.9 | 6.7 | 14.6 | 33 | 1.3 | 0.0 | 0.0 |
| 6 augsun 92.3 85.3 488.0 14.7 22.2 29 5.4 0.0 0.4 6 aug mon 92.3 88.9 495.6 8.5 24.1 27 3.1 0.0 0.4 aug monsep tue 5 8 6 91.5 145.4 608.2 10.7 8.0 86 2.2 0.0 0.4 6 8 91.0 129.5 692.6 7.0 13.1 63 5.4 0.0 0.4 | 2 | 7 | 6 | marfrimar | 91.7 | 33.3 | 77.5 | 9.0 | 8.3 | 97 | 4.0 | 0.2 | 0.0 |
| 6 aug mon 92.3 88.9 495.6 8.5 24.1 27 3.1 0.0 0.0 aug monsep tue 5 8 6 91.5 145.4 608.2 10.7 8.0 86 2.2 0.0 0.0 6 8 91.0 129.5 692.6 7.0 13.1 63 5.4 0.0 0.0 5 | 3 | 8 | 6 | sun | 89.3 | 51.3 10 | 02.2 | 9.6 | 11.4 | 99 | 1.8 | 0.0 | 0.0 |
| aug monsep tue 5 8 6 91.5 145.4 608.2 10.7 8.0 86 2.2 0.0 0.6 6 8 91.0 129.5 692.6 7.0 13.1 63 5.4 0.0 0.6 5 | 4 | 8 | 6 | augsun | 92.3 | 85.3 48 | 38.0 14. | 7 | 22.2 | 29 | 5.4 | 0.0 | 0.0 |
| 6 8 91.0 129.5 692.6 7.0 13.1 63 5.4 0.0 0.0 | | | | aug monsep | 92.3 | 88.9 49 | 95.6 | 8.5 | 24.1 | 27 | 3.1 | 0.0 | 0.0 |
| 5 | 5 | 8 | 6 | sepsat | 91.5 1 | 45.4 608 | 3.2 10.7 | | 8.0 | 86 | 2.2 | 0.0 | 0.0 |
| 7 8 92.5 88.0 698.6 7.1 22.8 40 4.0 0.0 0.0 | 6 | 8 | 6 | | 91.0 12 | 29.5 692 | 2.6 | 7.0 | 13.1 | 63 | 5.4 | 0.0 | 0.0 |
| | 7 | 8 | 5 | | 92.5 | 88.0 69 | 98.6 | 7.1 | 22.8 | 40 | 4.0 | 0.0 | 0.0 |

| In[12]: Out[12]: | fires_co | orr() | | | | | | | | | |
|---------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------|--------|
| X | | Y | FFM | C DMC | DC | ISI | temp | RH | wind | | |
| | X | 1.000000 | 0.539548 | -0.021039 | -0.048384 | -0.085916 | 0.006210 | -0.051258 | 0.085223 | 0.018798 | 0.065 |
| | Υ | 0.539548 | 1.000000 | -0.046308 | 0.007782 | -0.101178 | -0.024488 | -0.024103 | 0.062221 | -0.020341 | 0.033 |
| | FFMC | -0.021039 | -0.046308 | 1.000000 | 0.382619 | 0.330512 | 0.531805 | 0.431532 | -0.300995 | -0.028485 | 0.056 |
| | DMC - | 0.048384 | 0.007782 | 0.382619 | 1.000000 | 0.682192 | 0.305128 | 0.469594 | 0.073795 | -0.105342 | 0.074 |
| | DC - | 0.085916 | -0.101178 | 0.330512 | 0.682192 | 1.000000 | 0.229154 | 0.496208 | -0.039192 | -0.203466 | 0.035 |
| | ISI | 0.006210 | -0.024488 | 0.531805 | 0.305128 | 0.229154 | 1.000000 | 0.394287 | -0.132517 | 0.106826 | 0.067 |
| | temp - | 0.051258 | -0.024103 | 0.431532 | 0.469594 | 0.496208 | 0.394287 | 1.000000 | -0.527390 | -0.227116 | 0.069 |
| | RH | 0.085223 | 0.062221 | -0.300995 | 0.073795 | -0.039192 | -0.132517 | -0.527390 | 1.000000 | 0.069410 | 0.099 |
| | wind | 0.018798 | -0.020341 | -0.028485 | -0.105342 | -0.203466 | 0.106826 | -0.227116 | 0.069410 | 1.000000 | 0.061 |
| | rain | 0.065387 | 0.033234 | 0.056702 | 0.074790 | 0.035861 | 0.067668 | 0.069491 | 0.099751 | 0.061119 | 1.000 |
| | output | 0.062491 | 0.056892 | 0.073823 | 0.062672 | 0.096724 | 0.035663 | 0.076047 | '-0.035 5 87 | 0.05570 | 20.025 |
| | | | | | | | | | | | |

```
In[15]: numerical_feature=fires_describe(include=["int","float"]).columns

#Printitin/isttype..
print(list(numerical_feature))

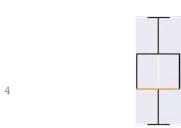
['X','Y','FFMC','DMC','DC','ISI','temp','RH','wind','rain','output']
```



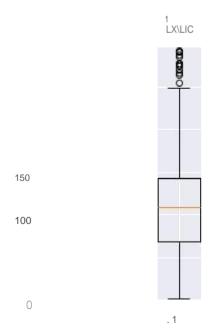
In[17]: foridx,colinenumerate(numerical_feature,1):
 plt_figure(figsize=(5,5))

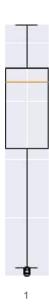
p/t.subp/ot(/en(numerical_feature)//2,3,idx)plt_boxplot(fires[col])
plt_title(col)

p/t.hist(fires[col])
plt_tight_layout()
plt_show(plt)







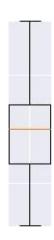




1 (

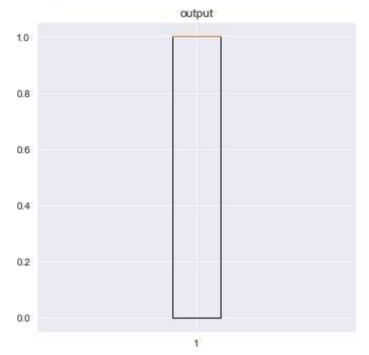


wind

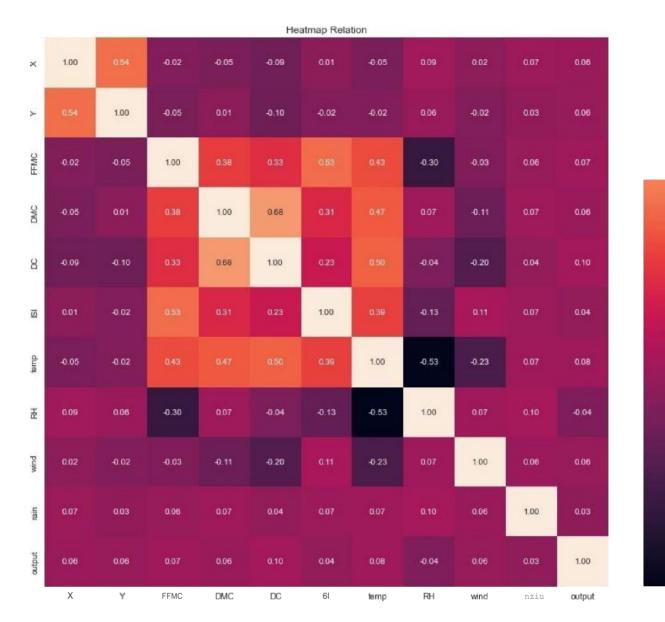


Temp





```
In[18]: plt_figure(figsize=(15, 12)) plt_title("Heatmap Relation")
sns_heatmap(fires[numerical_feature]_corr(),annot=True,fmt='.2f');
```



—1.D

-DB

0.6

- 0.4

- 0.2

- 0.0

- -0.2

- -0.4

```
In[19]: highest_rain=fires_sort_values(by='rain', ascending=False)[['month', 'day', 'rain']]_head()
highest_rain
```

```
Out[19]: monthdayrain

499 aug tue 6.4

509 aug fri 1.4
```

243

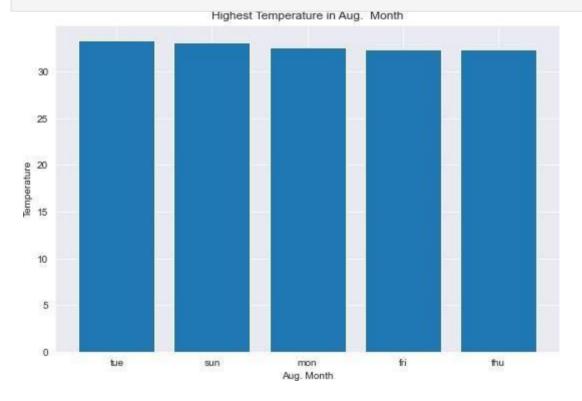
500 aug tue 0.8

sun

aug

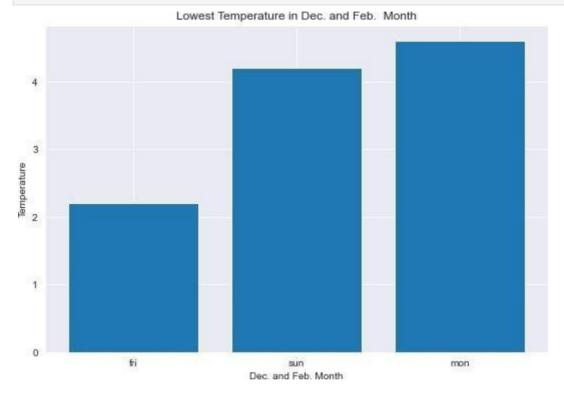
1.0

501 aug tue 0.8



```
In[21]: lowest_temp=fires_sort_values(by='temp',ascending=True)[['month','day','temp']]_head()
plt_figure(figsize=(9,6))
plt_title("LowestTemperatureinDec_andFeb_Month")
plt_bar(lowest_temp['day'],lowest_temp['temp'])

plt_xlabel("Day")
plt_xlabel("Dec_andFeb_Month")
plt_ylabel("Temperature")plt_show()
```



In[22]: fires

| X | ′ | month | day | FFMCD | МС | DC | ISI | temp | | RHwin | draino | utput |
|-------------|---|-------|-----|-------|-------|-------|------|------|----|-------|--------|-------|
| 0 7 | 5 | mar | fri | 86.2 | 26.2 | 94.3 | 5.1 | 8.2 | 51 | 6.7 | 0.0 | 0.0 |
| 1 7 | 4 | oct | tue | 90.6 | 35.4 | 669.1 | 6.7 | 18.0 | 33 | 0.9 | 0.0 | 0.0 |
| 2 7 | 4 | oct | sat | 90.6 | 43.7 | 686.9 | 6.7 | 14.6 | 33 | 1.3 | 0.0 | 0.0 |
| 3 B | 6 | mar | fri | 91.7 | 33.3 | 77.5 | 9.0 | 8.3 | 97 | 4.0 | 0.2 | 0.0 |
| 4 8 | 6 | mar | sun | 89.3 | 51.3 | 102.2 | 9.6 | 11.4 | 99 | 1.8 | 0.0 | 0.0 |
| 5 B | 6 | aug | sun | 92.3 | 85.3 | 488.0 | 14.7 | 22.2 | 29 | 5.4 | 0.0 | 0.0 |
| 6 8 | 6 | aug | mon | 92.3 | 88.9 | 495.6 | 8.5 | 24.1 | 27 | 3.1 | 0.0 | 0.0 |
| 7 B | 6 | aug | mon | 91.5 | 145.4 | 608.2 | 10.7 | 8.0 | 86 | 2.2 | 0.0 | 0.0 |
| 8 8 | 6 | sep | tue | 91.0 | 129.5 | 692.6 | 7.0 | 13.1 | 63 | 5.4 | 0.0 | 0.0 |
| 9 7 | 5 | sep | sat | 92.5 | 88.0 | 698.6 | 7.1 | 22.8 | 40 | 4.0 | 0.0 | 0.0 |
| 107 | 5 | sep | sat | 92.5 | 88.0 | 698.6 | 7.1 | 17.8 | 51 | 7.2 | 0.0 | 0.0 |
| 11 7 | 5 | sep | sat | 92.8 | 73.2 | 713.0 | 22.6 | 19.3 | 38 | 4.0 | 0.0 | 0.0 |
| 12 6 | 5 | aug | fri | 63.5 | 70.8 | 665.3 | 8.0 | 17.0 | 72 | 6.7 | 0.0 | 0.0 |
| 13 6 | 5 | sep | mon | 90.9 | 126.5 | 686.5 | 7.0 | 21.3 | 42 | 2.2 | 0.0 | 0.0 |
| 146 | 5 | sep | wed | 92.9 | 133.3 | 699.6 | 9.2 | 26.4 | 21 | 4.5 | 0.0 | 0.0 |
| 15 6 | 5 | sep | fri | 93.3 | 141.2 | 713.9 | 13.9 | 22.9 | 44 | 5.4 | 0.0 | 0.0 |
| 16 5 | 5 | mar | sat | 91.7 | 35.8 | 80.8 | 7.8 | 15.1 | 27 | 5.4 | 0.0 | 0.0 |
| 17 B | 5 | oct | mon | 84.9 | 32.8 | 664.2 | 3.0 | 16.7 | 47 | 4.9 | 0.0 | 0.0 |
| 18 6 | 4 | mar | wed | 89.2 | 27.9 | 70.8 | 6.3 | 15.9 | 35 | 4.0 | 0.0 | 0.0 |
| 19 6 | 4 | apr | sat | 86.3 | 27.4 | 97.1 | 5.1 | 9.3 | 44 | 4.5 | 0.0 | 0.0 |
| 206 | 4 | sep | tue | 91.0 | 129.5 | 692.6 | 7.0 | 18.3 | 40 | 2.7 | 0.0 | 0.0 |
| 21 5 | 4 | sep | mon | 91.8 | 78.5 | 724.3 | 9.2 | 19.1 | 38 | 2.7 | 0.0 | 0.0 |
| 22 7 | 4 | jun | sun | 94.3 | 96.3 | 200.0 | 56.1 | 21.0 | 44 | 4.5 | 0.0 | 0.0 |
| 23 7 | 4 | aug | sat | 90.2 | 110.9 | 537.4 | 6.2 | 19.5 | 43 | 5.8 | 0.0 | 0.0 |
| 247 | 4 | aug | sat | 93.5 | 139.4 | 594.2 | 20.3 | 23.7 | 32 | 5.8 | 0.0 | 0.0 |
| 25 7 | 4 | aug | sun | 91.4 | 142.4 | 601.4 | 10.6 | 16.3 | 60 | 5.4 | 0.0 | 0.0 |
| 267 | 4 | sep | fri | 92.4 | 117.9 | 668.0 | 12.2 | 19.0 | 34 | 5.8 | 0.0 | 0.0 |
| 27 7 | 4 | sep | mon | 90.9 | 126.5 | 686.5 | 7.0 | 19.4 | 48 | 1.3 | 0.0 | 0.0 |

Ou**t[**22**]**:

| 28 6 | 3 | sep | sat | 93.4 | 145.4 | 721.4 | 8.1 | 30.2 | 24 | 2.7 | 0.0 | 0.0 |
|-------------------------|---|------------|-----|--------------|---------------|----------------|------------|--------------|----------|------------|------|--------|
| 29 6 | 3 | sep | sun | 93.5 | 149.3 | 728.6 | 8.1 | 22.8 | 39 | 3.6 | 0.0 | 0.0 |
| 30 6 | 3 | sep | fri | 94.3 | 85.1 | 692.3 | 15.9 | 25.4 | 24 | 3.6 | 0.0 | 0.0 |
| 31 6 | 3 | sep | mon | 88.6 | 91.8 | 709.9 | 7.1 | 11.2 | 78 | 7.6 | 0.0 | 0.0 |
| 32 6 | 3 | sep | fri | 88.6 | 69.7 | 706.8 | 5.8 | 20.6 | 37 | 1.8 | 0.0 | 0.0 |
| 33 6 | 3 | sep | sun | 91.7 | 75.6 | 718.3 | 7.8 | 17.7 | 39 | 3.6 | 0.0 | 0.0 |
| 34 6 | 3 | sep | mon | 91.8 | 78.5 | | 9.2 | 21.2 | 32 | 2.7 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| 35 6 | 3 | sep | tue | 90.3 | | 730.2 | 6.3 | 18.2 | 62 | 4.5 | 0.0 | 0.0 |
| 36 6 | 3 | oct | tue | 90.6 | 35.4 | 669.1 | 6.7 | 21.7 | 24 | 4.5 | | 0.0 |
| Y | Y | month | dav | FFMC | DMC | DC | ISI | temp | RH | wind | rain | output |
| 37 7 | 4 | oct | fri | 90.0 | 41.5 | 682.6 | 8.7 | 11.3 | 60 | 5.4 | 0.0 | 0.0 |
| 38 7 | 3 | oct | sat | 90.6 | 43.7 | 686.9 | 6.7 | 17.8 | 27 | 4.0 | 0.0 | 0.0 |
| 39 4 | 4 | mar | tue | 88.1 | 25.7 | 67.6 | 3.8 | 14.1 | 43 | 2.7 | 0.0 | 0.0 |
| 40 4 | 4 | jul | tue | 79.5 | 60.6 | 366.7 | 1.5 | 23.3 | 37 | 3.1 | 0.0 | 0.0 |
| 41 4 | 4 | aug | sat | 90.2 | 96.9 | 624.2 | 8.9 | 18.4 | 42 | 6.7 | 0.0 | 0.0 |
| 42 4 | 4 | aug | tue | 94.8 | 108.3 | 647.1 | 17.0 | 16.6 | 54 | 5.4 | 0.0 | 0.0 |
| 43 4 | 4 | sep | sat | 92.5 | 88.0 | 698.6 | 7.1 | 19.6 | 48 | 2.7 | 0.0 | 0.0 |
| 44 4 | 4 | sep | wed | 90.1 | 82.9 | 735.7 | 6.2 | 12.9 | 74 | 4.9 | 0.0 | 0.0 |
| 45 5 | 6 | sep | wed | 94.3 | 85.1 | 692.3 | 15.9 | 25.9 | 24 | 4.0 | 0.0 | 0.0 |
| 46 5 | 6 | sep | mon | | 126.5 | | 7.0 | 14.7 | 70 | 3.6 | 0.0 | 0.0 |
| 47 6 | 6 | jul | mon | 94.2 | 62.3 | 442.9 | 11.0 | 23.0 | 36 | 3.1 | 0.0 | 0.0 |
| 48 4 | 4 | mar | mon | 87.2 | 23.9 | 64.7 | 4.1 | 11.8 | 35 | 1.8 | 0.0 | 0.0 |
| 49 4 50 4 | 4 | mar | mon | 87.6 92.9 | 52.2 137.0 | 103.8 706.4 | 5.0 | 11.0 20.8 | 46 17 | 5.8 | 0.0 | 0.0 |
| 51 4 | 3 | sep aug | sun | 92.9 | 99.6 | 631.2 | 9.2 6.3 | 21.5 | 34 | 1.3 2.2 | 0.0 | 0.0 |
| 52 4 | 3 | aug | wed | 92.1 | 111.2 | 654.1 | 9.6 | 20.4 | 42 | 4.9 | 0.0 | 0.0 |
| 53 4 | 3 | aug | wed | 92.1 | 111.2 | 654.1 | 9.6 | 20.4 | 42 | 4.9 | 0.0 | 0.0 |
| 54 4 | 3 | aug | thu | | 114.3 | 661.3 | 6.3 | 17.6 | 45 | 3.6 | 0.0 | 0.0 |
| 55 4 | 3 | sep | thu | 92.9 | 137.0 | 706.4 | 9.2 | 27.7 | 24 | 2.2 | 0.0 | 0.0 |
| 56 4 | 3 | sep | tue | 90.3 | 80.7 | 730.2 | 6.3 | 17.8 | 63 | 4.9 | 0.0 | 0.0 |
| 57 4 | 3 | oct | sun | 92.6 | 46.5 | 691.8 | 8.8 | 13.8 | 50 | 2.7 | 0.0 | 0.0 |
| | | | | | | | | | | | | |

| 58 | 3 2 | 2 | feb | mon | 84.0 | 9.3 | 34.0 | 2.1 | 13.9 | 40 | 5.4 | 0.0 | 0.0 |
|----|------------|----|-----|-----|------|-------|-------|------|------|----|-----|-----|-----|
| 59 | 2 | 2 | feb | fri | 86.6 | 13.2 | 43.0 | 5.3 | 12.3 | 51 | 0.9 | 0.0 | 0.0 |
| 60 | 2 | 2 | mar | sun | 89.3 | 51.3 | 102.2 | 9.6 | 11.5 | 39 | 5.8 | 0.0 | 0.0 |
| 61 | 1 2 | 2 | mar | sun | 89.3 | 51.3 | 102.2 | 9.6 | 5.5 | 59 | 6.3 | 0.0 | 0.0 |
| 62 | 2 2 | 2 | aug | thu | 93.0 | 75.3 | 466.6 | 7.7 | 18.8 | 35 | 4.9 | 0.0 | 0.0 |
| 63 | 3 2 | 2 | aug | sun | 90.2 | 99.6 | 631.2 | 6.3 | 20.8 | 33 | 2.7 | 0.0 | 0.0 |
| 64 | 1 2 | 2 | aug | mon | 91.1 | 103.2 | 638.8 | 5.8 | 23.1 | 31 | 3.1 | 0.0 | 0.0 |
| 65 | 5 2 | 2 | aug | thu | 91.7 | 114.3 | 661.3 | 6.3 | 18.6 | 44 | 4.5 | 0.0 | 0.0 |
| 66 | 2 | 2 | sep | fri | 92.4 | 117.9 | 668.0 | 12.2 | 23.0 | 37 | 4.5 | 0.0 | 0.0 |
| 67 | 7 2 | 2 | sep | fri | 92.4 | 117.9 | 668.0 | 12.2 | 19.6 | 33 | 5.4 | 0.0 | 0.0 |
| 68 | 3 2 | 2 | sep | fri | 92.4 | 117.9 | 668.0 | 12.2 | 19.6 | 33 | 6.3 | 0.0 | 0.0 |
| 69 | 4 | 5 | mar | fri | 91.7 | 33.3 | 77.5 | 9.0 | 17.2 | 26 | 4.5 | 0.0 | 0.0 |
| 70 | 4 | 5 | mar | fri | 91.2 | 48.3 | 97.8 | 12.5 | 15.8 | 27 | 7.6 | 0.0 | 0.0 |
| 71 | ۱4 | 5 | sep | fri | 94.3 | 85.1 | 692.3 | 15.9 | 17.7 | 37 | 3.6 | 0.0 | 0.0 |
| 72 | 2 5 | 4 | mar | fri | 91.7 | 33.3 | 77.5 | 9.0 | 15.6 | 25 | 6.3 | 0.0 | 0.0 |
| 73 | 5 | 4 | aug | tue | 88.8 | 147.3 | 614.5 | 9.0 | 17.3 | 43 | 4.5 | 0.0 | 0.0 |
| 74 | | 54 | sep | fri | 93.3 | 141.2 | 713.9 | 13.9 | 27.6 | 30 | 1.3 | 0.0 | 0.0 |
| 75 | | 99 | feb | thu | 84.2 | 6.8 | 26.6 | 7.7 | 6.7 | 79 | 3.1 | 0.0 | 0.0 |
| 76 | | 99 | feb | fri | 86.6 | 13.2 | 43.0 | 5.3 | 15.7 | 43 | 3.1 | 0.0 | 0.0 |
| 77 | | 13 | mar | mon | 87.6 | 52.2 | 103.8 | 5.0 | 8.3 | 72 | 3.1 | 0.0 | 0.0 |
| 78 | | 12 | aug | fri | 90.1 | 108.0 | 529.8 | 12.5 | 14.7 | 66 | 2.7 | 0.0 | 0.0 |
| 79 | | 12 | aug | tue | 91.0 | 121.2 | 561.6 | 7.0 | 21.6 | 19 | 6.7 | 0.0 | 0.0 |
| 80 | | 12 | aug | sun | 91.4 | 142.4 | 601.4 | 10.6 | 19.5 | 39 | 6.3 | 0.0 | 0.0 |
| 81 | | 12 | aug | sun | 90.2 | 99.6 | 631.2 | 6.3 | 17.9 | 44 | 2.2 | 0.0 | 0.0 |
| 82 | | 12 | aug | tue | 94.8 | 108.3 | 647.1 | 17.0 | 18.6 | 51 | 4.5 | 0.0 | 0.0 |
| 83 | | 12 | aug | wed | 92.1 | 111.2 | 654.1 | 9.6 | 16.6 | 47 | 0.9 | 0.0 | 0.0 |
| 84 | | 12 | aug | thu | 91.7 | 114.3 | 661.3 | 6.3 | 20.2 | 45 | 3.6 | 0.0 | 0.0 |
| 85 | | 12 | sep | thu | 92.9 | 137.0 | 706.4 | 9.2 | 21.5 | 15 | 0.9 | 0.0 | 0.0 |
| 86 | | 12 | sep | thu | 92.9 | 137.0 | 706.4 | 9.2 | 25.4 | 27 | 2.2 | 0.0 | 0.0 |
| 87 | | 12 | sep | thu | 92.9 | 137.0 | 706.4 | 9.2 | 22.4 | 34 | 2.2 | 0.0 | 0.0 |
| 88 | | 12 | sep | sun | 93.5 | 149.3 | 728.6 | 8.1 | 25.3 | 36 | 3.6 | 0.0 | 0.0 |
| 89 | | 65 | mar | sat | 91.7 | 35.8 | 80.8 | 7.8 | 17.4 | 25 | 4.9 | 0.0 | 0.0 |
| 90 | | 65 | aug | sat | 90.2 | 96.9 | 624.2 | 8.9 | 14.7 | 59 | 5.8 | 0.0 | 0.0 |
| 91 | | 86 | mar | fri | 91.7 | 35.8 | 80.8 | 7.8 | 17.4 | 24 | 5.4 | 0.0 | 0.0 |
| 92 | | 86 | aug | sun | 92.3 | 85.3 | 488.0 | 14.7 | 20.8 | 32 | 6.3 | 0.0 | 0.0 |

| 93 | 86 | aug | sun | 91.4 | 142.4 | 601.4 | 10.6 | 18.2 | 43 | 4.9 | 0.0 | 0.0 |
|--------------|----|-----|-----|------|-------|-------|------|------|----|-----|-----|-----|
| 94 | 86 | aug | mon | 91.1 | 103.2 | 638.8 | 5.8 | 23.4 | 22 | 2.7 | 0.0 | 0.0 |
| 95 | 44 | sep | sun | 89.7 | 90.0 | 704.4 | 4.8 | 17.8 | 64 | 1.3 | 0.0 | 0.0 |
| 96 | 34 | feb | sat | 83.9 | 8.0 | 30.2 | 2.6 | 12.7 | 48 | 1.8 | 0.0 | 0.0 |
| 97 | 34 | mar | sat | 69.0 | 2.4 | 15.5 | 0.7 | 17.4 | 24 | 5.4 | 0.0 | 0.0 |
| 98 | 34 | aug | sun | 91.4 | 142.4 | 601.4 | 10.6 | 11.6 | 87 | 4.5 | 0.0 | 0.0 |
| 99 | 34 | aug | sun | 91.4 | 142.4 | 601.4 | 10.6 | 19.8 | 39 | 5.4 | 0.0 | 0.0 |
| 100 3 | 4 | aug | sun | 91.4 | 142.4 | 601.4 | 10.6 | 19.8 | 39 | 5.4 | 0.0 | 0.0 |
| 101 3 | 4 | aug | tue | 88.8 | 147.3 | 614.5 | 9.0 | 14.4 | 66 | 5.4 | 0.0 | 0.0 |
| 102 2 | 4 | aug | tue | 94.8 | 108.3 | 647.1 | 17.0 | 20.1 | 40 | 4.0 | 0.0 | 0.0 |
| 103 2 | 4 | sep | sat | 92.5 | 121.1 | 674.4 | 8.6 | 24.1 | 29 | 4.5 | 0.0 | 0.0 |
| 104 2 | 4 | jan | sat | 82.1 | 3.7 | 9.3 | 2.9 | 5.3 | 78 | 3.1 | 0.0 | 0.0 |
| 105 4 | 5 | mar | fri | 85.9 | 19.5 | 57.3 | 2.8 | 12.7 | 52 | 6.3 | 0.0 | 0.0 |
| 106 4 | 5 | mar | thu | 91.4 | 30.7 | 74.3 | 7.5 | 18.2 | 29 | 3.1 | 0.0 | 0.0 |
| 107 4 | 5 | aug | sun | 90.2 | 99.6 | 631.2 | 6.3 | 21.4 | 33 | 3.1 | 0.0 | 0.0 |
| 108 4 | 5 | sep | sat | 92.5 | 88.0 | 698.6 | 7.1 | 20.3 | 45 | 3.1 | 0.0 | 0.0 |
| 109 4 | 5 | sep | mon | 88.6 | 91.8 | 709.9 | 7.1 | 17.4 | 56 | 5.4 | 0.0 | 0.0 |
| 110 4 | 4 | mar | fri | 85.9 | 19.5 | 57.3 | 2.8 | 13.7 | 43 | 5.8 | | 0.0 |

| | | | | | | | | | RH w | ind rai | n outp | ut |
|---------------------------|---|------------|------------|--------------|---------------|----------------|-------------|--------------|----------|------------|--------|-----|
| 111 3 | 4 | mar | fri | 91.7 | 33.3 | 77.5 | 9.0 | 18.8 | 18 | 4.5 | 0.0 | 0.0 |
| 112 3 | 4 | sep | sun | 89.7 | 90.0 | 704.4 | 4.8 | 22.8 | 39 | 3.6 | 0.0 | 0.0 |
| 113 3 | 4 | sep | mon | 91.8 | 78.5 | 724.3 | 9.2 | 18.9 | 35 | 2.7 | 0.0 | 0.0 |
| 114 3 | 4 | mar | tue | 88.1 | 25.7 | 67.6 | 3.8 | 15.8 | 27 | 7.6 | 0.0 | 0.0 |
| 115 3 | 5 | mar | tue | 88.1 | 25.7 | 67.6 | 3.8 | 15.5 | 27 | 6.3 | 0.0 | 0.0 |
| 116 3 | 4 | mar | sat | 91.7 | 35.8 | 80.8 | 7.8 | 11.6 | 30 | 6.3 | 0.0 | 0.0 |
| 117 3 | 4 | mar | sat | 91.7 | 35.8 | 80.8 | 7.8 | 15.2 | 27 | 4.9 | 0.0 | 0.0 |
| 117 3 | 4 | mar | mon | 90.1 | 39.7 | 86.6 | 6.2 | 10.6 | 30 | 4.0 | 0.0 | 0.0 |
| | _ | | | ••• | | 400.0 | | 40.0 | | | | |
| 119 3 120 3 | 4 | aug aug | thu mon | 93.0 91.5 | 75.3 145.4 | 466.6 608.2 | 7.7 10.7 | 19.6 10.3 | 36 74 | 3.1 2.2 | 0.0 | 0.0 |
| 120 3 | 7 | auy | mon | 91.5 | 143.4 | 000.2 | 10.7 | 10.3 | /4 | 2.2 | 0.0 | 0.0 |
| 121 3 | 4 | aug | mon | 91.5 | 145.4 | 608.2 | 10.7 | 17.1 | 43 | 5.4 | 0.0 | 0.0 |
| 122 3 | 4 | sep | sun | 92.4 | 124.1 | 680.7 | 8.5 | 22.5 | 42 | 5.4 | 0.0 | 0.0 |
| 123 3 | 4 | sep | tue | 84.4 | 73.4 | 671.9 | 3.2 | 17.9 | 45 | 3.1 | 0.0 | 0.0 |
| 124 3 | 4 | sep | fri | 94.3 | 85.1 | 692.3 | 15.9 | 19.8 | 50 | 5.4 | 0.0 | 0.0 |
| 125 3 | 4 | oct | sun | 92.6 | 46.5 | 691.8 | 8.8 | 20.6 | 24 | 5.4 | 0.0 | 0.0 |
| 126 3 | 5 | mar | mon | 87.6 | 52.2 | 103.8 | 5.0 | 9.0 | 49 | 2.2 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| 127 3 | 5 | sep | fri | 93.5 | 149.3 | 728.6 | 8.1 | 17.2 | 43 | 3.1 | 0.0 | 0.0 |
| 128 3 | 5 | oct | wed | 91.4 | 37.9 | 673.8 | 5.2 | 15.9 | 46 | 3.6 | 0.0 | 0.0 |
| 129 2 | 5 | oct | sun | 92.6 | 46.5 | 691.8 | 8.8 | 15.4 | 35 | 0.9 | 0.0 | 0.0 |
| 130 4 | 6 | feb | sat | 68.2 | 21.5 | 87.2 | 0.8 | 15.4 | 40 | 2.7 | 0.0 | 0.0 |
| 131 4 | 6 | mar | mon | 87.2 | 23.9 | 64.7 | 4.1 | 14.0 | 39 | 3.1 | 0.0 | 0.0 |
| 132 4 | 6 | mar | sun | 89.3 | 51.3 | 102.2 | 9.6 | 10.6 | 46 | 4.9 | 0.0 | 0.0 |
| 133 4 | 6 | sep | thu | 93.7 | 80.9 | 685.2 | 17.9 | 17.6 | 42 | 3.1 | 0.0 | 0.0 |
| 134 3 | 5 | mar | tue | 88.1 | 25.7 | 67.6 | 3.8 | 14.9 | 38 | 2.7 | 0.0 | 0.0 |
| 135 3 | 5 | aug | sat | 93.5 | 139.4 | 594.2 | 20.3 | 17.6 | 52 | 5.8 | 0.0 | 0.0 |
| 136 3 | 6 | sep | sun | 92.4 | 124.1 | 680.7 | 8.5 | 17.2 | 58 | 1.3 | 0.0 | 0.0 |
| | | • | | | | | | | | | | |
| 137 3 | 6 | sep | mon | 90.9 | 126.5 | 686.5 | 7.0 | 15.6 | 66 | 3.1 | 0.0 | 0.0 |
| 138 9 | 9 | jul | tue | 85.8 | 48.3 | 313.4 | 3.9 | 18.0 | 42 | 2.7 | 0.0 | 1.0 |
| 139 1 | 4 | sep | tue | 91.0 | 129.5 | 692.6 | 7.0 | 21.7 | 38 | 2.2 | 0.0 | 1.0 |

| Х | Y mor | nth | day F | FMC D | МС | DC | ISIt | emp | | | | |
|--------------|-------|-----|-------|-------|-------|-------|------|------|----|-----|-----|-----|
| 140 2 | 5 | sep | mon | 90.9 | 126.5 | 686.5 | 7.0 | 21.9 | 39 | 1.8 | 0.0 | 1.0 |
| 141 1 | 2 | aug | wed | 95.5 | 99.9 | 513.3 | 13.2 | 23.3 | 31 | 4.5 | 0.0 | 1.0 |
| 142 8 | 6 | aug | fri | 90.1 | 108.0 | 529.8 | 12.5 | 21.2 | 51 | 8.9 | 0.0 | 1.0 |
| 143 1 | 2 | jul | sat | 90.0 | 51.3 | 296.3 | 8.7 | 16.6 | 53 | 5.4 | 0.0 | 1.0 |
| 144 2 | 5 | aug | wed | 95.5 | 99.9 | 513.3 | 13.2 | 23.8 | 32 | 5.4 | 0.0 | 1.0 |
| 145 6 | 5 | aug | thu | 95.2 | 131.7 | 578.8 | 10.4 | 27.4 | 22 | 4.0 | 0.0 | 1.0 |
| 146 5 | 4 | mar | mon | 90.1 | 39.7 | 86.6 | 6.2 | 13.2 | 40 | 5.4 | 0.0 | 1.0 |
| 147 8 | 3 | sep | tue | 84.4 | 73.4 | 671.9 | 3.2 | 24.2 | 28 | 3.6 | 0.0 | 1.0 |
| 148 2 | 2 | aug | tue | 94.8 | 108.3 | 647.1 | 17.0 | 17.4 | 43 | 6.7 | 0.0 | 1.0 |
| 149 8 | 6 | sep | thu | 93.7 | 80.9 | 685.2 | 17.9 | 23.7 | 25 | 4.5 | 0.0 | 1.0 |
| 150 6 | 5 | jun | fri | 92.5 | 56.4 | 433.3 | 7.1 | 23.2 | 39 | 5.4 | 0.0 | 1.0 |
| 151 9 | 9 | jul | sun | 90.1 | 68.6 | 355.2 | 7.2 | 24.8 | 29 | 2.2 | 0.0 | 1.0 |
| 152 3 | 4 | jul | sat | 90.1 | 51.2 | 424.1 | 6.2 | 24.6 | 43 | 1.8 | 0.0 | 1.0 |
| 153 5 | 4 | sep | fri | 94.3 | 85.1 | 692.3 | 15.9 | 20.1 | 47 | 4.9 | 0.0 | 1.0 |
| 154 1 | 5 | sep | sat | 93.4 | 145.4 | 721.4 | 8.1 | 29.6 | 27 | 2.7 | 0.0 | 1.0 |
| 155 7 | 4 | aug | sun | 94.8 | 108.3 | 647.1 | 17.0 | 16.4 | 47 | 1.3 | 0.0 | 1.0 |
| 156 2 | 4 | sep | sat | 93.4 | 145.4 | 721.4 | 8.1 | 28.6 | 27 | 2.2 | 0.0 | 1.0 |
| 157 2 | 2 | aug | wed | 92.1 | 111.2 | 654.1 | 9.6 | 18.4 | 45 | 3.6 | 0.0 | 1.0 |
| 158 2 | 4 | aug | wed | 92.1 | 111.2 | 654.1 | 9.6 | 20.5 | 35 | 4.0 | 0.0 | 1.0 |
| 159 7 | 4 | sep | fri | 92.4 | 117.9 | 668.0 | 12.2 | 19.0 | 34 | 5.8 | 0.0 | 1.0 |
| 160 7 | 4 | mar | mon | 90.1 | 39.7 | 86.6 | 6.2 | 16.1 | 29 | 3.1 | 0.0 | 1.0 |
| 161 6 | 4 | aug | thu | 95.2 | 131.7 | 578.8 | 10.4 | 20.3 | 41 | 4.0 | 0.0 | 1.0 |
| 162 6 | 3 | mar | sat | 90.6 | 50.1 | 100.4 | 7.8 | 15.2 | 31 | 8.5 | 0.0 | 1.0 |
| 163 8 | 6 | sep | sat | 92.5 | 121.1 | 674.4 | 8.6 | 17.8 | 56 | 1.8 | 0.0 | 1.0 |
| 164 8 | 5 | sep | sun | 89.7 | 90.0 | 704.4 | 4.8 | 17.8 | 67 | 2.2 | 0.0 | 1.0 |
| 165 6 | 5 | mar | thu | 84.9 | 18.2 | 55.0 | 3.0 | 5.3 | 70 | 4.5 | 0.0 | 1.0 |
| 166 6 | 5 | aug | wed | 92.1 | 111.2 | 654.1 | 9.6 | 16.6 | 47 | 0.9 | 0.0 | 1.0 |
| 167 6 | 5 | aug | wed | 96.0 | 127.1 | 570.5 | 16.5 | 23.4 | 33 | 4.5 | 0.0 | 1.0 |
| 168 6 | 5 | mar | fri | 91.2 | 48.3 | 97.8 | 12.5 | 14.6 | 26 | 9.4 | 0.0 | 1.0 |
| 169 8 | 6 | aug | thu | 95.2 | 131.7 | 578.8 | 10.4 | 20.7 | 45 | 2.2 | 0.0 | 1.0 |
| 170 5 | 4 | sep | wed | 92.9 | 133.3 | 699.6 | 9.2 | 21.9 | 35 | 1.8 | 0.0 | 1.0 |
| 171 8 | 6 | aug | wed | 85.6 | 90.4 | 609.6 | 6.6 | 17.4 | 50 | 4.0 | 0.0 | 1.0 |
| 172 7 | 4 | aug | sun | 91.4 | 142.4 | 601.4 | 10.6 | 20.1 | 39 | 5.4 | 0.0 | 1.0 |
| 173 4 | 4 | sep | mon | 90.9 | 126.5 | 686.5 | 7.0 | 17.7 | 39 | 2.2 | 0.0 | 1.0 |
| | | | | | | | | | | | | |

| 175 1 4 aug sat 90.2 96.9 624.2 8.9 20.3 39 4.9 0.0 1.0 176 6 5 apr thu 81.5 9.1 55.2 2.7 5.8 54 5.8 0.0 1.0 177 2 5 aug sun 90.2 99.6 631.2 6.3 19.2 44 2.7 0.0 1.0 178 2 5 sep wed 90.1 82.9 735.7 6.2 18.3 45 2.2 0.0 1.0 179 8 6 aug tue 88.8 147.3 614.5 9.0 14.4 66 5.4 0.0 1.0 180 1 3 sep sun 92.4 124.1 680.7 8.5 23.9 32 6.7 0.0 1.0 181 8 6 oct mon 91.7 48.5 696.1 11.1 16.8 45 4.5 0.0 |
|---|
| 177 2 5 aug sun 90.2 99.6 631.2 6.3 19.2 44 2.7 0.0 1.0 178 2 5 sep wed 90.1 82.9 735.7 6.2 18.3 45 2.2 0.0 1.0 179 8 6 aug tue 88.8 147.3 614.5 9.0 14.4 66 5.4 0.0 1.0 180 1 3 sep sun 92.4 124.1 680.7 8.5 23.9 32 6.7 0.0 1.0 181 8 6 oct mon 84.9 32.8 664.2 3.0 19.1 32 4.0 0.0 1.0 182 5 4 feb sun 86.8 15.6 48.3 3.9 12.4 53 2.2 0.0 1.0 183 7 4 oct mon 91.7 48.5 696.1 11.1 16.8 45 4.5 0.0 1.0 184 8 6 aug fri 93.9 135.7 586.7 15.1 20.8 34 1.0 RH wind rainoutput 185 2 5 sep tue 91.0 129.5 692.6 7.0 17.6 46 3.1 0.0 1.0 186 8 6 mar sun 89.3 51.3 102.2 9.6 11.5 39 5.8 0.0 1.0 187 1 5 sep mon 90.9 126.5 686.5 7.0 21.0 42 2.2 0.0 1.0 188 6 4 mar sat 90.8 41.9 89.4 7.9 13.3 42 0.9 0.0 1.0 189 7 4 mar sun 90.7 44.0 92.4 5.5 11.5 60 4.0 0.0 1.0 190 6 5 mar fri 91.2 48.3 97.8 12.5 11.7 33 4.0 0.0 1.0 191 2 5 aug thu 95.2 131.7 578.8 10.4 24.2 28 2.7 0.0 1.0 192 2 aug tue 94.8 108.3 647.1 17.0 24.6 22 4.5 0.0 1.0 193 4 5 sep wed 92.9 133.3 699.6 9.2 24.3 25 4.0 0.0 1.0 195 2 5 aug fri 93.9 135.7 586.7 15.1 23.5 36 5.4 0.0 1.0 195 2 5 aug fri 93.9 135.7 586.7 15.1 23.5 36 5.4 0.0 1.0 195 2 5 aug fri 93.9 135.7 586.7 15.1 23.5 36 5.4 0.0 1.0 |
| 178 2 5 sep wed 90.1 82.9 735.7 6.2 18.3 45 2.2 0.0 1.0 179 8 6 aug tue 88.8 147.3 614.5 9.0 14.4 66 5.4 0.0 1.0 180 1 3 sep sun 92.4 124.1 680.7 8.5 23.9 32 6.7 0.0 1.0 181 8 6 oct mon 84.9 32.8 664.2 3.0 19.1 32 4.0 0.0 1.0 182 5 4 feb sun 86.8 15.6 48.3 3.9 12.4 53 2.2 0.0 1.0 183 7 4 oct mon 91.7 48.5 696.1 11.1 16.8 45 4.5 0.0 1.0 184 8 6 aug fri 93.9 135.7 586.7 15.1 20.8 34 1.0 RH wind rainoutput 185 2 5 sep tue 91.0 129.5 692.6 7.0 17.6 46 3.1 0.0 1.0 186 8 6 mar sun 89.3 51.3 102.2 9.6 11.5 39 5.8 0.0 1.0 187 1 5 sep mon 90.9 126.5 686.5 7.0 21.0 42 2.2 0.0 1.0 188 6 4 mar sat 90.8 41.9 89.4 7.9 13.3 42 0.9 0.0 1.0 189 7 4 mar sun 90.7 44.0 92.4 5.5 11.5 60 4.0 0.0 1.0 190 6 5 mar fri 91.2 48.3 97.8 12.5 11.7 33 4.0 0.0 1.0 191 2 5 aug thu 95.2 131.7 578.8 10.4 24.2 28 2.7 0.0 1.0 193 4 5 sep wed 92.9 133.3 699.6 9.2 24.3 25 4.0 0.0 1.0 193 4 5 sep wed 92.9 133.3 699.6 9.2 24.3 25 4.0 0.0 1.0 195 2 5 aug true 94.8 108.3 647.1 17.0 24.6 22 4.5 0.0 1.0 195 2 5 aug fri 93.9 135.7 586.7 15.1 23.5 36 5.4 0.0 1.0 195 2 5 aug fri 93.9 135.7 586.7 15.1 23.5 36 5.4 0.0 1.0 |
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| 182 5 4 feb sun 86.8 15.6 48.3 3.9 12.4 53 2.2 0.0 1.0 183 7 4 oct mon 91.7 48.5 696.1 11.1 16.8 45 4.5 0.0 1.0 184 8 6 aug fri 93.9 135.7 586.7 15.1 20.8 34 185 2 5 sep tue 91.0 129.5 692.6 7.0 17.6 46 3.1 0.0 1.0 186 8 6 mar sun 89.3 51.3 102.2 9.6 11.5 39 5.8 0.0 1.0 187 1 5 sep mon 90.9 126.5 686.5 7.0 21.0 42 2.2 0.0 1.0 187 1 5 sep mon 90.9 126.5 686.5 7.0 21.0 42 2.2 0.0 1.0 |
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| 184 8 6 aug fri 93.9 135.7 586.7 15.1 20.8 34 185 2 5 sep tue 91.0 129.5 692.6 7.0 17.6 46 3.1 0.0 1.0 186 8 6 mar sun 89.3 51.3 102.2 9.6 11.5 39 5.8 0.0 1.0 187 1 5 sep mon 90.9 126.5 686.5 7.0 21.0 42 2.2 0.0 1.0 188 6 4 mar sat 90.8 41.9 89.4 7.9 13.3 42 0.9 0.0 1.0 189 7 4 mar sun 90.7 44.0 92.4 5.5 11.5 60 4.0 0.0 1.0 190 6 5 mar fri 91.2 48.3 97.8 12.5 11.7 33 4.0 0.0 1.0 191 2 5 aug thu 95.2 131.7 578.8 10.4 < |
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| 400.2 4 400 400 5 600 6 70 420 50 62 00 40 |
| 198 3 4 sep tue 91.0 129.5 692.6 7.0 13.9 59 6.3 0.0 1.0 |
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| 200 1 5 sep tue 91.0 129.5 692.6 7.0 21.6 33 2.2 0.0 1.0 |
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| 203 8 6 oct wed 91.4 37.9 673.8 5.2 20.2 37 2.7 0.0 1.0 204 5 6 mar sat 90.6 50.1 100.4 7.8 15.1 64 4.0 0.0 1.0 |

| Х | Y mor | nth | day F | FMC D | MC | DC | ISIte | emp | | | | |
|--------------|-------|------|-------|-------|-------|-------|-------|------|----|-----|-----|-----|
| 205 4 | 5 | sep | thu | 92.9 | 137.0 | 706.4 | 9.2 | 22.1 | 34 | 1.8 | 0.0 | 1.0 |
| 206 2 | 2 | aug | sat | 93.5 | 139.4 | 594.2 | 20.3 | 22.9 | 31 | 7.2 | 0.0 | 1.0 |
| 207 7 | 5 | sep | tue | 91.0 | 129.5 | 692.6 | 7.0 | 20.7 | 37 | 2.2 | 0.0 | 1.0 |
| 208 6 | 5 | sep | fri | 92.4 | 117.9 | 668.0 | 12.2 | 19.6 | 33 | 6.3 | 0.0 | 1.0 |
| 209 8 | 3 | sep | thu | 93.7 | 80.9 | 685.2 | 17.9 | 23.2 | 26 | 4.9 | 0.0 | 1.0 |
| 210 4 | 4 | oct | sat | 90.6 | 43.7 | 686.9 | 6.7 | 18.4 | 25 | 3.1 | 0.0 | 1.0 |
| 211 7 | 4 | aug | sat | 93.5 | 139.4 | 594.2 | 20.3 | 5.1 | 96 | 5.8 | 0.0 | 1.0 |
| 212 7 | 4 | sep | fri | 94.3 | 85.1 | 692.3 | 15.9 | 20.1 | 47 | 4.9 | 0.0 | 1.0 |
| 213 7 | 3 | marı | mon | 87.6 | 52.2 | 103.8 | 5.0 | 11.0 | 46 | 5.8 | 0.0 | 1.0 |
| 214 4 | 4 | mar | sat | 91.7 | 35.8 | 80.8 | 7.8 | 17.0 | 27 | 4.9 | 0.0 | 1.0 |
| 215 4 | 4 | mar | sat | 91.7 | 35.8 | 80.8 | 7.8 | 17.0 | 27 | 4.9 | 0.0 | 1.0 |
| 216 4 | 4 | sep | sun | 92.4 | 124.1 | 680.7 | 8.5 | 16.9 | 60 | 1.3 | 0.0 | 1.0 |
| 217 1 | 3 | sep | mon | 88.6 | 91.8 | 709.9 | 7.1 | 12.4 | 73 | 6.3 | 0.0 | 1.0 |
| 218 4 | 5 | sep | wed | 92.9 | 133.3 | 699.6 | 9.2 | 19.4 | 19 | 1.3 | 0.0 | 1.0 |
| | | | | | | | | | | | | |
| 219 6 | 5 | marr | non | 90.1 | 39.7 | 86.6 | 6.2 | 15.2 | 27 | 3.1 | 0.0 | 1.0 |
| 220 8 | 6 | aug | sun | 90.2 | 99.6 | 631.2 | 6.3 | 16.2 | 59 | 3.1 | 0.0 | 1.0 |
| 221 3 | 4 | sep | fri | 93.3 | 141.2 | 713.9 | 13.9 | 18.6 | 49 | 3.6 | 0.0 | 1.0 |

| | | | • | | | | | • | | | | • |
|--------------|---|-----|-----|------|-------|-------|------|------|----|-----|-----|-----|
| 2224 | 3 | mar | mon | 87.6 | 52.2 | 103.8 | 5.0 | 11.0 | 46 | 5.8 | 0.0 | 1.0 |
| 223 2 | 2 | jul | fri | 88.3 | 150.3 | 309.9 | 6.8 | 13.4 | 79 | 3.6 | 0.0 | 1.0 |
| 224 7 | 4 | sep | wed | 90.1 | 82.9 | 735.7 | 6.2 | 15.4 | 57 | 4.5 | 0.0 | 1.0 |
| 225 4 | 4 | sep | sun | 93.5 | 149.3 | 728.6 | 8.1 | 22.9 | 39 | 4.9 | 0.0 | 1.0 |
| 226 7 | 5 | oct | mon | 91.7 | 48.5 | 696.1 | 11.1 | 16.1 | 44 | 4.0 | 0.0 | 1.0 |
| 227 8 | 6 | aug | sat | 92.2 | 81.8 | 480.8 | 11.9 | 20.1 | 34 | 4.5 | 0.0 | 1.0 |
| 228 4 | 6 | sep | sun | 93.5 | 149.3 | 728.6 | 8.1 | 28.3 | 26 | 3.1 | 0.0 | 1.0 |
| 229 8 | 6 | aug | sat | 92.2 | 81.8 | 480.8 | 11.9 | 16.4 | 43 | 4.0 | 0.0 | 1.0 |
| 230 4 | 4 | sep | wed | 92.9 | 133.3 | 699.6 | 9.2 | 26.4 | 21 | 4.5 | 0.0 | 1.0 |
| 231 1 | 5 | sep | sun | 93.5 | 149.3 | 728.6 | 8.1 | 27.8 | 27 | 3.1 | 0.0 | 1.0 |
| 232 6 | 4 | sep | tue | 91.0 | 129.5 | 692.6 | 7.0 | 18.7 | 43 | 2.7 | 0.0 | 1.0 |
| 233 9 | 4 | sep | tue | 84.4 | 73.4 | 671.9 | 3.2 | 24.3 | 36 | 3.1 | 0.0 | 1.0 |
| 234 4 | 5 | sep | sat | 92.5 | 121.1 | 674.4 | 8.6 | 17.7 | 25 | 3.1 | 0.0 | 1.0 |
| 235 8 | 6 | aug | sun | 91.4 | 142.4 | 601.4 | 10.6 | 19.6 | 41 | 5.8 | 0.0 | 1.0 |
| 236 2 | 2 | sep | sat | 92.5 | 121.1 | 674.4 | 8.6 | 18.2 | 46 | 1.8 | 0.0 | 1.0 |
| 237 1 | 2 | sep | tue | 91.0 | 129.5 | 692.6 | 7.0 | 18.8 | 40 | 2.2 | 0.0 | 1.0 |
| 238 6 | 5 | sep | sat | 92.5 | 121.1 | 674.4 | 8.6 | 25.1 | 27 | 4.0 | 0.0 | 1.0 |
| 239 7 | 5 | apr | sun | 81.9 | 3.0 | 7.9 | 3.5 | 13.4 | 75 | 1.8 | 0.0 | 0.0 |
| 240 6 | 3 | apr | wed | 88.0 | 17.2 | 43.5 | 3.8 | 15.2 | 51 | 2.7 | 0.0 | 0.0 |
| 241 4 | 4 | apr | fri | 83.0 | 23.3 | 85.3 | 2.3 | 16.7 | 20 | 3.1 | 0.0 | 0.0 |
| 242 2 | 4 | aug | sun | 94.2 | 122.3 | 589.9 | 12.9 | 15.4 | 66 | 4.0 | 0.0 | 1.0 |
| 243 7 | 4 | aug | sun | 91.8 | 175.1 | 700.7 | 13.8 | 21.9 | 73 | 7.6 | 1.0 | 0.0 |
| 244 2 | 4 | aug | sun | 91.8 | 175.1 | 700.7 | 13.8 | 22.4 | 54 | 7.6 | 0.0 | 1.0 |
| 245 3 | 4 | aug | sun | 91.8 | 175.1 | 700.7 | 13.8 | 26.8 | 38 | 6.3 | 0.0 | 1.0 |
| 246 5 | 4 | aug | sun | 91.8 | 175.1 | 700.7 | 13.8 | 25.7 | 39 | 5.4 | 0.0 | 1.0 |
| 247 2 | 4 | aug | wed | 92.2 | 91.6 | 503.6 | 9.6 | 20.7 | 70 | 2.2 | 0.0 | 1.0 |
| 248 8 | 6 | aug | wed | 93.1 | 157.3 | 666.7 | 13.5 | 28.7 | 28 | 2.7 | 0.0 | 0.0 |
| | | | | | | | | | | | | |

day FFMC DMC

DC

ISI temp

RH wind rain output

X Y month

sat 0.0

| 249 3 4 aug wed 93.1 157.3 666.7 13.5 21.7 40 0.4 0.0 1.0 250 8 5 aug wed 93.1 157.3 666.7 13.5 26.8 25 3.1 0.0 1.0 253 6 5 aug wed 93.1 157.3 666.7 13.5 24.0 36 3.1 0.0 1.0 253 7 4 aug thu 91.9 109.2 565.5 8.0 21.4 38 2.7 0.0 1.0 254 6 3 aug thu 87.5 77.0 694.8 5.0 22.3 46 4.0 0.0 1.0 255 2 5 aug thu 87.5 77.0 894.8 5.0 22.3 46 4.0 0.0 1.0 257 4 3 aug sat 91.2 17.2 581.1 11.0 21.4 42 2.7 0.0< | Х | Y mont | th | day FF | MC D | МС | DC | ISI | temp | R | H wind | rain | output |
|--|--------------|--------|-----|--------|------|-------|--------|------|------|----|--------|------|--------|
| 251 8 5 aug wed 93.1 157.3 666.7 13.5 24.0 36 3.1 0.0 1.0 252 6 5 aug wed 93.1 157.3 666.7 13.5 22.1 37 3.6 0.0 1.0 253 7 4 aug thu 91.9 109.2 565.5 8.0 21.4 38 2.7 0.0 1.0 253 7 4 aug thu 87.5 77.0 694.8 5.0 22.3 46 4.0 0.0 0.0 255 2 5 aug thu 87.5 77.0 694.8 5.0 22.3 46 4.0 0.0 0.0 256 8 6 aug sat 94.2 117.2 581.1 11.0 23.9 41 2.2 0.0 1.0 257 4 3 aug sat 94.2 117.2 581.1 11.0 21.4 44 2.7 0.0 1.0 258 3 4 aug sat 91.8 170.9692.313.7 20.6 59 0.9 0.0 259 7 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 260 2 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 261 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 262 2 4 aug fri 91.6 112.4 573.0 8.9 21.4 42 3.1 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 268 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 53 2.7 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.0 53 2.7 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 | 249 3 | 4 | aug | wed | 93.1 | 157.3 | 666.7 | 13.5 | 21.7 | 40 | 0.4 | 0.0 | 1.0 |
| 252 6 5 aug wed 93.1 157.3 666.7 13.5 22.1 37 3.6 0.0 1.0 253 7 4 aug thu 91.9 109.2 565.5 8.0 21.4 38 2.7 0.0 1.0 254 6 3 aug thu 91.6 138.1 621.7 6.3 18.9 41 3.1 0.0 1.0 255 2 5 aug thu 87.5 77.0 694.8 5.0 22.3 46 4.0 0.0 0.0 256 8 6 aug sat 94.2 117.2 581.1 11.0 23.9 41 2.2 0.0 1.0 257 4 3 aug sat 94.2 117.2 581.1 11.0 21.4 44 2.7 0.0 1.0 258 3 4 aug sat 91.8 170.9 692.3 13.7 23.7 40 1.8 0.0 1.0 259 7 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 260 2 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 261 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 262 2 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 | 250 8 | 5 | aug | wed | 93.1 | 157.3 | 666.7 | 13.5 | 26.8 | 25 | 3.1 | 0.0 | 1.0 |
| 253 7 | 251 8 | 5 | aug | wed | 93.1 | 157.3 | 666.7 | 13.5 | 24.0 | 36 | 3.1 | 0.0 | 1.0 |
| 254 6 3 aug thu 81.6 138.1 621.7 6.3 18.9 41 3.1 0.0 1.0 255 2 5 aug thu 87.5 77.0 694.8 5.0 22.3 46 4.0 0.0 0.0 256 8 6 aug sat 94.2 117.2 581.1 11.0 23.9 41 2.2 0.0 1.0 257 4 3 aug sat 94.2 117.2 581.1 11.0 21.4 44 2.7 0.0 1.0 258 3 4 aug sat 91.8 170.9 692.3 13.7 20.6 59 0.9 0.0 259 7 4 aug sat 91.8 170.9 692.3 13.7 23.7 40 1.8 0.0 1.0 260 2 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 261 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 262 2 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.0 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 | 252 6 | 5 | aug | wed | 93.1 | 157.3 | 666.7 | 13.5 | 22.1 | 37 | 3.6 | 0.0 | 1.0 |
| 255 2 5 aug thu 87.5 77.0 694.8 5.0 22.3 46 4.0 0.0 0.0 256 8 6 aug sat 94.2 117.2 581.1 11.0 23.9 41 2.2 0.0 1.0 257 4 3 aug sat 94.2 117.2 581.1 11.0 21.4 44 2.7 0.0 1.0 258 3 4 aug sat 91.8 170.9692.313.7 20.6 59 0.9 0.0 0.0 259 7 4 aug sat 91.8 170.9 692.3 13.7 20.6 59 0.9 0.0 1.0 260 2 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 261 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 262 2 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 6 5 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 dec wed 84.0 27.8 353.5 6.8 4.8 57 8.5 0.0 1.0 | 253 7 | 4 | aug | thu | 91.9 | 109.2 | 565.5 | 8.0 | 21.4 | 38 | 2.7 | 0.0 | 1.0 |
| 256 8 6 aug sat 94.2 117.2 581.1 11.0 23.9 41 2.2 0.0 1.0 257 4 3 aug sat 94.2 117.2 581.1 11.0 21.4 44 2.7 0.0 1.0 258 3 4 aug 91.8 170.9692.313.7 20.6 59 0.9 0.0 259 7 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 260 2 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 261 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 262 2 4 aug fri 91.6 112.4 573.0 8.9 21.4 42 3.1 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.0 53 2.7 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 254 6 | 3 | aug | thu | 91.6 | 138.1 | 621.7 | 6.3 | 18.9 | 41 | 3.1 | 0.0 | 1.0 |
| 257 4 3 aug sat 94.2 117.2 581.1 11.0 21.4 44 2.7 0.0 1.0 258 3 4 aug sat 91.8 170.9692.313.7 20.6 59 0.9 0.0 0.0 259 7 4 aug sat 91.8 170.9 692.3 13.7 23.7 40 1.8 0.0 1.0 260 2 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 261 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 262 2 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 263 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 266 3 4 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 268 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.0 53 2.7 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 273 4 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 255 2 | 5 | aug | thu | 87.5 | 77.0 | 694.8 | 5.0 | 22.3 | 46 | 4.0 | 0.0 | 0.0 |
| 258 3 4 aug 91.8 170.9692.313.7 20.6 59 0.9 0.0 259 7 4 aug sat 91.8 170.9 692.3 13.7 23.7 40 1.8 0.0 1.0 260 2 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 261 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 262 2 4 aug fri 91.6 112.4 573.0 8.9 21.4 42 3.1 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 268 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.0 53 2.7 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 256 8 | 6 | aug | sat | 94.2 | 117.2 | 581.1 | 11.0 | 23.9 | 41 | 2.2 | 0.0 | 1.0 |
| 259 7 | 257 4 | 3 | aug | sat | 94.2 | 117.2 | 581.1 | 11.0 | 21.4 | 44 | 2.7 | 0.0 | 1.0 |
| 260 2 4 aug mon 93.6 97.9 542.0 14.4 28.3 32 4.0 0.0 1.0 261 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 262 2 4 aug fri 91.6 112.4 573.0 8.9 21.4 42 3.1 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 258 3 | 4 | aug | | 91.8 | 170.9 | 692.31 | 3.7 | 20.6 | 59 | 0.9 | | 0.0 |
| 261 3 | 259 7 | 4 | aug | sat | 91.8 | 170.9 | 692.3 | 13.7 | 23.7 | 40 | 1.8 | 0.0 | 1.0 |
| 262 2 4 aug fri 91.6 112.4 573.0 8.9 21.4 42 3.1 0.0 1.0 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 268 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 260 2 | 4 | aug | mon | 93.6 | 97.9 | 542.0 | 14.4 | 28.3 | 32 | 4.0 | 0.0 | 1.0 |
| 263 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 264 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 268 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 261 3 | 4 | aug | fri | 91.6 | 112.4 | 573.0 | 8.9 | 11.2 | 84 | 7.6 | 0.0 | 1.0 |
| 264 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 265 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 268 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 262 2 | 4 | aug | fri | 91.6 | 112.4 | 573.0 | 8.9 | 21.4 | 42 | 3.1 | 0.0 | 1.0 |
| 265 4 | 263 6 | 3 | aug | fri | 91.1 | 141.1 | 629.1 | 7.1 | 19.3 | 39 | 3.6 | 0.0 | 1.0 |
| 266 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 268 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 264 4 | 4 | aug | fri | 94.3 | 167.6 | 684.4 | 13.0 | 21.8 | 53 | 3.1 | 0.0 | 1.0 |
| 267 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 268 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 269 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 265 4 | 4 | aug | tue | 93.7 | 102.2 | 550.3 | 14.6 | 22.1 | 54 | 7.6 | 0.0 | 1.0 |
| 268 3 | 266 6 | 5 | aug | tue | 94.3 | 131.7 | 607.1 | 22.7 | 19.4 | 55 | 4.0 | 0.0 | 1.0 |
| 269 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 267 2 | 2 | aug | tue | 92.1 | 152.6 | 658.2 | 14.3 | 23.7 | 24 | 3.1 | 0.0 | 0.0 |
| 270 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 268 3 | 4 | aug | tue | 92.1 | 152.6 | 658.2 | 14.3 | 21.0 | 32 | 3.1 | 0.0 | 0.0 |
| 271 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 269 4 | 4 | aug | tue | 92.1 | 152.6 | 658.2 | 14.3 | 19.1 | 53 | 2.7 | 0.0 | 1.0 |
| 272 2 5 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 270 2 | 2 | aug | tue | 92.1 | 152.6 | 658.2 | 14.3 | 21.8 | 56 | 3.1 | 0.0 | 1.0 |
| 273 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 271 8 | 6 | aug | tue | 92.1 | 152.6 | 658.2 | 14.3 | 20.1 | 58 | 4.5 | 0.0 | 1.0 |
| 274 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 | 272 2 | 5 | aug | tue | 92.1 | 152.6 | 658.2 | 14.3 | 20.2 | 47 | 4.0 | 0.0 | 1.0 |
| | 273 4 | 6 | dec | sun | 84.4 | 27.2 | 353.5 | 6.8 | 4.8 | 57 | 8.5 | 0.0 | 1.0 |
| 275 4 6 dec thu 84.6 26.4 352.0 2.0 5.1 61 4.9 0.0 1.0 | 274 8 | 6 | dec | wed | 84.0 | 27.8 | 354.6 | 5.3 | 5.1 | 61 | 8.0 | 0.0 | 1.0 |
| | 275 4 | 6 | dec | thu | 84.6 | 26.4 | 352.0 | 2.0 | 5.1 | 61 | 4.9 | 0.0 | 1.0 |

| x | Y mo | nth | day F | FMC D | мс | DC | ISI t | emp | F | RH wind | rain | output |
|--------------|------|-----|-------|-------|-------|-------|-------|------|----|---------|------|--------|
| 276 4 | 4 | dec | mon | 85.4 | 25.4 | 349.7 | 2.6 | 4.6 | 21 | 8.5 | 0.0 | 1.0 |
| 277 3 | 4 | dec | mon | 85.4 | 25.4 | 349.7 | 2.6 | 4.6 | 21 | 8.5 | 0.0 | 1.0 |
| 278 4 | 4 | dec | mon | 85.4 | 25.4 | 349.7 | 2.6 | 4.6 | 21 | 8.5 | 0.0 | 1.0 |
| 279 4 | 4 | dec | mon | 85.4 | 25.4 | 349.7 | 2.6 | 4.6 | 21 | 8.5 | 0.0 | 1.0 |
| 280 4 | 6 | dec | fri | 84.7 | 26.7 | 352.6 | 4.1 | 2.2 | 59 | 4.9 | 0.0 | 1.0 |
| 281 6 | 5 | dec | tue | 85.4 | 25.4 | 349.7 | 2.6 | 5.1 | 24 | 8.5 | 0.0 | 1.0 |
| 282 6 | 3 | feb | sun | 84.9 | 27.5 | 353.5 | 3.4 | 4.2 | 51 | 4.0 | 0.0 | 0.0 |
| 283 3 | 4 | feb | wed | 86.9 | 6.6 | 18.7 | 3.2 | 8.8 | 35 | 3.1 | 0.0 | 1.0 |
| 284 5 | 4 | feb | fri | 85.2 | 4.9 | 15.8 | 6.3 | 7.5 | 46 | 8.0 | 0.0 | 1.0 |
| 285 2 | 5 | jul | sun | 93.9 | 169.7 | 411.8 | 12.3 | 23.4 | 40 | 6.3 | 0.0 | 0.0 |
| 286 7 | 6 | jul | wed | 91.2 | 183.1 | 437.7 | 12.5 | 12.6 | 90 | 7.6 | 0.2 | 0.0 |
| 287 7 | 4 | jul | sat | 91.6 | 104.2 | 474.9 | 9.0 | 22.1 | 49 | 2.7 | 0.0 | 0.0 |
| 288 7 | 4 | jul | sat | 91.6 | 104.2 | 474.9 | 9.0 | 24.2 | 32 | 1.8 | 0.0 | 0.0 |
| 289 7 | 4 | jul | sat | 91.6 | 104.2 | 474.9 | 9.0 | 24.3 | 30 | 1.8 | 0.0 | 0.0 |
| 290 2 | 5 | jul | sat | 91.6 | 104.2 | 474.9 | 9.0 | 18.7 | 53 | 1.8 | 0.0 | 0.0 |
| 291 9 | 4 | jul | sat | 91.6 | 104.2 | 474.9 | 9.0 | 25.3 | 39 | 0.9 | 0.0 | 1.0 |
| 292 4 | 5 | jul | fri | 91.6 | 100.2 | 466.3 | 6.3 | 22.9 | 40 | 1.3 | 0.0 | 1.0 |
| 293 7 | 6 | jul | tue | 93.1 | 180.4 | 430.8 | 11.0 | 26.9 | 28 | 5.4 | 0.0 | 1.0 |
| 294 8 | 6 | jul | tue | 92.3 | 88.8 | 440.9 | 8.5 | 17.1 | 67 | 3.6 | 0.0 | 1.0 |
| 295 7 | 5 | jun | sun | 93.1 | 180.4 | 430.8 | 11.0 | 22.2 | 48 | 1.3 | 0.0 | 0.0 |
| 296 6 | 4 | jun | sun | 90.4 | 89.5 | 290.8 | 6.4 | 14.3 | 46 | 1.8 | 0.0 | 1.0 |
| 297 8 | 6 | jun | sun | 90.4 | | 290.8 | 6.4 | 15.4 | 45 | 2.2 | 0.0 | 0.0 |
| 298 8 | 6 | jun | wed | 91.2 | 147.8 | 377.2 | 12.7 | 19.6 | 43 | 4.9 | 0.0 | 0.0 |
| 299 6 | 5 | jun | sat | 53.4 | 71.0 | 233.8 | 0.4 | 10.6 | 90 | 2.7 | 0.0 | 0.0 |
| 300 6 | 5 | jun | mon | 90.4 | | 298.1 | 7.5 | 20.7 | 25 | 4.9 | 0.0 | 0.0 |
| 301 6 | 5 | jun | mon | 90.4 | | 298.1 | 7.5 | 19.1 | 39 | 5.4 | 0.0 | 1.0 |
| 302 3 | 6 | jun | fri | 91.1 | | 232.1 | 7.1 | 19.2 | 38 | 4.5 | 0.0 | 0.0 |
| | | | | | | | | | | | | |

sat 0.0 1.0

| Х | Y moı | nth | day F | FMC D | мс | DC | ISI t | emp | RH wind rainoutput | | ıtput | |
|--------------|-------|-----|-------|-------|-------|-------|-------|------|--------------------|-----|-------|-----|
| 303 3 | 6 | jun | fri | 91.1 | 94.1 | 232.1 | 7.1 | 19.2 | 38 | 4.5 | 0.0 | 0.0 |
| 304 6 | 5 | may | sat | 85.1 | 28.0 | 113.8 | 3.5 | 11.3 | 94 | 4.9 | 0.0 | 0.0 |
| 305 1 | 4 | sep | sun | 89.6 | 84.1 | 714.3 | 5.7 | 19.0 | 52 | 2.2 | 0.0 | 0.0 |
| 306 7 | 4 | sep | sun | 89.6 | 84.1 | 714.3 | 5.7 | 17.1 | 53 | 5.4 | 0.0 | 1.0 |
| 307 3 | 4 | sep | sun | 89.6 | 84.1 | 714.3 | 5.7 | 23.8 | 35 | 3.6 | 0.0 | 1.0 |
| 308 2 | 4 | sep | sun | 92.4 | 105.8 | 758.1 | 9.9 | 16.0 | 45 | 1.8 | 0.0 | 0.0 |
| 309 2 | 4 | sep | sun | 92.4 | 105.8 | 758.1 | 9.9 | 24.9 | 27 | 2.2 | 0.0 | 0.0 |
| 310 7 | 4 | sep | sun | 92.4 | 105.8 | 758.1 | 9.9 | 25.3 | 27 | 2.7 | 0.0 | 0.0 |
| 311 6 | 3 | sep | sun | 92.4 | 105.8 | 758.1 | 9.9 | 24.8 | 28 | 1.8 | 0.0 | 1.0 |
| 312 2 | 4 | sep | sun | 50.4 | 46.2 | 706.6 | 0.4 | 12.2 | 78 | 6.3 | 0.0 | 0.0 |
| 313 6 | 5 | sep | wed | 92.6 | 115.4 | 777.1 | 8.8 | 24.3 | 27 | 4.9 | 0.0 | 0.0 |
| 314 4 | 4 | sep | wed | 92.6 | 115.4 | 777.1 | 8.8 | 19.7 | 41 | 1.8 | 0.0 | 1.0 |
| 315 3 | 4 | sep | wed | 91.2 | 134.7 | 817.5 | 7.2 | 18.5 | 30 | 2.7 | 0.0 | 0.0 |
| 316 4 | 5 | sep | thu | 92.4 | 96.2 | 739.4 | 8.6 | 18.6 | 24 | 5.8 | 0.0 | 0.0 |
| 317 4 | 4 | sep | thu | 92.4 | 96.2 | 739.4 | 8.6 | 19.2 | 24 | 4.9 | 0.0 | 1.0 |
| 318 6 | 5 | sep | thu | 92.8 | 119.0 | 783.5 | 7.5 | 21.6 | 27 | 2.2 | 0.0 | 0.0 |
| 319 5 | 4 | sep | thu | 92.8 | 119.0 | 783.5 | 7.5 | 21.6 | 28 | 6.3 | 0.0 | 1.0 |
| 320 6 | 3 | sep | thu | 92.8 | 119.0 | 783.5 | 7.5 | 18.9 | 34 | 7.2 | 0.0 | 1.0 |
| 321 1 | 4 | sep | thu | 92.8 | 119.0 | 783.5 | 7.5 | 16.8 | 28 | 4.0 | 0.0 | 1.0 |
| 322 6 | 5 | sep | thu | 92.8 | 119.0 | 783.5 | 7.5 | 16.8 | 28 | 4.0 | 0.0 | 1.0 |
| 323 3 | 5 | sep | thu | 90.7 | 136.9 | 822.8 | 6.8 | 12.9 | 39 | 2.7 | 0.0 | 1.0 |
| 324 6 | 5 | sep | thu | 88.1 | 53.3 | 726.9 | 5.4 | 13.7 | 56 | 1.8 | 0.0 | 1.0 |
| 325 1 | 4 | sep | sat | 92.2 | 102.3 | 751.5 | 8.4 | 24.2 | 27 | 3.1 | 0.0 | 0.0 |
| 326 5 | 4 | sep | sat | 92.2 | 102.3 | 751.5 | 8.4 | 24.1 | 27 | 3.1 | 0.0 | 0.0 |
| 327 6 | 5 | sep | sat | 92.2 | 102.3 | 751.5 | 8.4 | 21.2 | 32 | 2.2 | 0.0 | 0.0 |
| 328 6 | 5 | sep | sat | 92.2 | 102.3 | 751.5 | 8.4 | 19.7 | 35 | 1.8 | 0.0 | 0.0 |
| 329 4 | 3 | sep | sat | 92.2 | 102.3 | 751.5 | 8.4 | 23.5 | 27 | 4.0 | 0.0 | 1.0 |
| | | | | | | | | | | | | |

| x | Y mon | ıth | day F | FMC D | МС | DC | ISI t | emp | R | H wind | l rainou | ıtput |
|--------------|-------|-----|-------|-------|--------|-------|-------|------|----|--------|----------|-------|
| 330 3 | 3 | sep | sat | 92.2 | 102.3 | 751.5 | 8.4 | 24.2 | 27 | 3.1 | 0.0 | 1.0 |
| 331 7 | 4 | sep | sat | 91.2 | 124.4 | 795.3 | 8.5 | 21.5 | 28 | 4.5 | 0.0 | 1.0 |
| 332 4 | 4 | sep | | 91.2 | 124.47 | 95.3 | 8.5 | 17.1 | 41 | 2.2 | | |
| 333 1 | 4 | sep | mon | 92.1 | 87.7 | 721.1 | 9.5 | 18.1 | 54 | 3.1 | 0.0 | 1.0 |
| 334 2 | 3 | sep | mon | 91.6 | 108.4 | 764.0 | 6.2 | 18.0 | 51 | 5.4 | 0.0 | 0.0 |
| 335 4 | 3 | sep | mon | 91.6 | 108.4 | 764.0 | 6.2 | 9.8 | 86 | 1.8 | 0.0 | 0.0 |
| 336 7 | 4 | sep | mon | 91.6 | 108.4 | 764.0 | 6.2 | 19.3 | 44 | 2.2 | 0.0 | 0.0 |
| 337 6 | 3 | sep | mon | 91.6 | 108.4 | 764.0 | 6.2 | 23.0 | 34 | 2.2 | 0.0 | 1.0 |
| 338 8 | 6 | sep | mon | 91.6 | 108.4 | 764.0 | 6.2 | 22.7 | 35 | 2.2 | 0.0 | 1.0 |
| 339 2 | 4 | sep | mon | 91.6 | 108.4 | 764.0 | 6.2 | 20.4 | 41 | 1.8 | 0.0 | 1.0 |
| 340 2 | 5 | sep | mon | 91.6 | 108.4 | 764.0 | 6.2 | 19.3 | 44 | 2.2 | 0.0 | 1.0 |
| 341 8 | 6 | sep | mon | 91.9 | 111.7 | 770.3 | 6.5 | 15.7 | 51 | 2.2 | 0.0 | 0.0 |
| 342 6 | 3 | sep | mon | 91.5 | 130.1 | 807.1 | 7.5 | 20.6 | 37 | 1.8 | 0.0 | 0.0 |
| 343 8 | 6 | sep | mon | 91.5 | 130.1 | 807.1 | 7.5 | 15.9 | 51 | 4.5 | 0.0 | 1.0 |
| 344 6 | 3 | sep | mon | 91.5 | 130.1 | 807.1 | 7.5 | 12.2 | 66 | 4.9 | 0.0 | 1.0 |
| 345 2 | 2 | sep | mon | 91.5 | 130.1 | 807.1 | 7.5 | 16.8 | 43 | 3.1 | 0.0 | 1.0 |
| 346 1 | 4 | sep | mon | 91.5 | 130.1 | 807.1 | 7.5 | 21.3 | 35 | 2.2 | 0.0 | 1.0 |
| 347 5 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 10.1 | 75 | 3.6 | 0.0 | 0.0 |
| 348 3 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 17.4 | 57 | 4.5 | 0.0 | 0.0 |
| 349 5 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 12.8 | 64 | 3.6 | 0.0 | 1.0 |
| 350 5 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 10.1 | 75 | 3.6 | 0.0 | 1.0 |
| 351 4 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 15.4 | 53 | 6.3 | 0.0 | 1.0 |
| 352 7 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 20.6 | 43 | 3.6 | 0.0 | 1.0 |
| 353 7 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 19.8 | 47 | 2.7 | 0.0 | 1.0 |
| 354 7 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 18.7 | 50 | 2.2 | 0.0 | 1.0 |
| 355 4 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 20.8 | 35 | 4.9 | 0.0 | 1.0 |
| 356 4 | 4 | sep | fri | 92.1 | 99.0 | 745.3 | 9.6 | 20.8 | 35 | 4.9 | 0.0 | 1.0 |

sat 0.0 1.0

| X | Y mo | nth | day F | FMC D | МС | DC | ISI t | emp | R | H wind | l rainοι | ıtput |
|--------------|------|-----|-------|-------|-------|-------|-------|------|----|--------|----------|-------|
| 357 6 | 3 | sep | fri | 92.5 | 122.0 | 789.7 | 10.2 | 15.9 | 55 | 3.6 | 0.0 | 0.0 |
| 358 6 | 3 | sep | fri | 92.5 | 122.0 | 789.7 | 10.2 | 19.7 | 39 | 2.7 | 0.0 | 0.0 |
| 359 1 | 4 | sep | fri | 92.5 | 122.0 | 789.7 | 10.2 | 21.1 | 39 | 2.2 | 0.0 | 1.0 |
| 360 6 | 5 | sep | fri | 92.5 | 122.0 | 789.7 | 10.2 | 18.4 | 42 | 2.2 | 0.0 | 1.0 |
| 361 4 | 3 | sep | fri | 92.5 | 122.0 | 789.7 | 10.2 | 17.3 | 45 | 4.0 | 0.0 | 1.0 |
| 362 7 | 4 | sep | fri | 88.2 | 55.2 | 732.3 | 11.6 | 15.2 | 64 | 3.1 | 0.0 | 1.0 |
| 363 4 | 3 | sep | tue | 91.9 | 111.7 | 770.3 | 6.5 | 15.9 | 53 | 2.2 | 0.0 | 1.0 |
| 364 6 | 5 | sep | tue | 91.9 | 111.7 | 770.3 | 6.5 | 21.1 | 35 | 2.7 | 0.0 | 1.0 |
| 365 6 | 5 | sep | tue | 91.9 | 111.7 | 770.3 | 6.5 | 19.6 | 45 | 3.1 | 0.0 | 1.0 |
| 366 4 | 5 | sep | tue | 91.1 | 132.3 | 812.1 | 12.5 | 15.9 | 38 | 5.4 | 0.0 | 1.0 |
| 367 4 | 5 | sep | tue | 91.1 | 132.3 | 812.1 | 12.5 | 16.4 | 27 | 3.6 | 0.0 | 0.0 |
| 368 6 | 5 | sep | sat | 91.2 | 94.3 | 744.4 | 8.4 | 16.8 | 47 | 4.9 | 0.0 | 1.0 |
| 369 4 | 5 | sep | sun | 91.0 | 276.3 | 825.1 | 7.1 | 13.8 | 77 | 7.6 | 0.0 | 0.0 |

month DMC DC
X Y day FFMC ISI temp

wwinidndrairnaionutpoutput

370 74 91.0 276.3 825.1 7.1 13.8 **77** 7.6 0.0 1.0 sep sun 371 520.5 34 91.9 133.6 8.0 14.2 58 4.0 0.0 0.0 jul wed 372 45 92.0 203.2 664.5 8.1 10.4 75 0.9 0.0 0.0 aug sun 373 54 94.8 222.4 698.6 13.9 20.3 42 2.7 0.0 0.0 aug thu 374 65 fri 90.3 290.0 855.3 7.4 10.3 78 4.0 0.0 1.0 sep 375 65 sep sat 91.2 94.3 744.4 8.4 15.4 57 4.9 0.0 1.0 376 207.0 0.0 86 92.1 672.6 8.2 21.1 54 2.2 0.0 aug mon 377 231.1 715.1 42 22 93.7 8.4 21.9 2.2 0.0 1.0 aug sat 378 65 90.9 18.9 30.6 8.0 8.7 51 0.0 0.0 mar thu 5.8 379 100 45 18.7 1.1 171.4 0.0 5.2 0.9 0.0 0.0 jan sun 380 101.3 458.8 19.3 39 0.0 54 93.7 11.9 7.2 1.0 jul wed 381 86 thu 90.7 194.1 643.0 6.8 16.2 63 2.7 0.0 1.0 aug 382 86 95.2 217.7 690.0 18.0 28.2 29 1.8 0.0 1.0 aug wed 383 248.4 96 aug thu 91.6 753.8 6.3 20.5 58 2.7 0.0 1.0 384 84 91.6 273.8 819.1 7.7 21.3 44 0.0 1.0 aug sat 4.5 385 24 91.6 181.3 613.0 7.6 20.9 50 2.2 0.0 1.0 aug sun 386 34 90.5 96.7 750.5 11.4 20.6 55 0.0 1.0 sep sun 5.4 387 55 90.9 18.9 30.6 8.0 11.6 48 0.0 0.0 mar thu 5.4 388 706.7 12.0 64 aug fri 94.8 227.0 23.3 34 3.1 0.0 1.0 389 74 227.0 706.7 12.0 23.3 34 0.0 aug fri 94.8 3.1 0.0 390 74 71 0.0 84.7 9.5 58.3 4.1 feb 7.5 6.3 1.0 mon 391 20.7 46 0.0 1.0 86 fri 91.1 91.3 738.1 7.2 2.7 sep 392 13 91.0 276.3 825.1 7.1 21.9 43 4.0 0.0 1.0 sep sun 393 24 93.4 15.0 25.6 11.4 15.2 19 7.6 0.0 0.0 mar tue 394 68 65 84.1 4.6 46.7 2.2 5.3 1.8 0.0 0.0 feb mon 395 45 85.0 56.9 3.5 10.1 62 0.0 9.0 1.8 1.0 feb sun

RH

sat 1.0

| 396 | 43 | sep | sun | 90.5 | 96.7 | 750.5 | 11.4 | 20.4 | 55 | 4.9 | 0.0 | 1.0 |
|------------------------------|--------|-----|------|------|---------|----------------|--------------|------|----------|-----|-----|-----|
| 397 | 5 6 | aug | sun | 91.6 | 181.3 | 613.0 | 7.6 | 24.3 | 33 | 3.6 | 0.0 | 1.0 |
| 398 | 12 | aug | sat | 93.7 | 231.1 | 715.1 | 8.4 | 25.9 | 32 | 3.1 | 0.0 | 0.0 |
| 399 | 9 5 | jun | wed | 93.3 | 49.5 | 297.7 | 14.0 | 28.0 | 34 | 4.5 | 0.0 | 0.0 |
| 400 | 9 5 | jun | wed | 93.3 | 49.5 | 297.7 | 14.0 | 28.0 | 34 | 4.5 | 0.0 | 1.0 |
| 401 | 3 4 | sep | thu | 91.1 | 88.2 | 731.7 | 8.3 | 22.8 | 46 | 4.0 | 0.0 | 1.0 |
| 402 | 99 | aug | fri | 94.8 | 227.0 | 706.7 | 12.0 | 25.0 | 36 | 4.0 | 0.0 | 0.0 |
| 403 | 86 | aug | thu | 90.7 | 194.1 | 643.0 | 6.8 | 21.3 | 41 | 3.6 | 0.0 | 0.0 |
| 404 | 24 | sep | wed | 87.9 | 84.8 | 725.1 | 3.7 | 21.8 | 34 | 2.2 | 0.0 | 1.0 |
| 405 | 22 | aug | tue | 94.6 | 212.1 | 680.9 | 9.5 | 27.9 | 27 | 2.2 | 0.0 | 0.0 |
| 406 | 65 | sep | | 87.1 | 1291.38 | 60.6 | 4.0 | 17.0 | 67 | 4.9 | 0.0 | |
| 407 4 | 5 | feb | sat | 84.7 | 8.2 | 55.0 | 2.9 | 14.2 | 46 | 4.0 | 0.0 | 0.0 |
| 408 4 | 3 | sep | fri | 90.3 | 290.0 | 855.3 | 7.4 | 19.9 | 44 | 3.1 | 0.0 | 1.0 |
| 409 1 | 4 | jul | tue | 92.3 | 96.2 | 450.2 | 12.1 | 23.4 | 31 | 5.4 | 0.0 | 0.0 |
| 410 6 | 3 | feb | fri | 84.1 | 7.3 | 52.8 | 2.7 | 14.7 | 42 | 2.7 | 0.0 | 0.0 |
| 411 7 | 4 | feb | fri | 84.6 | 3.2 | 43.6 | 3.3 | 8.2 | 53 | 9.4 | 0.0 | 1.0 |
| 412 9 | 4 | jul | mon | 92.3 | 92.1 | 442.1 | 9.8 | 22.8 | 27 | 4.5 | 0.0 | 1.0 |
| 413 7 | | aug | sat | | 231.1 | | 8.4 | 26.4 | 33 | 3.6 | 0.0 | 0.0 |
| | | _ | | | | | | | | | | |
| 414 5 415 8 | 4 6 | aug | sun | 93.6 | 235.1 | 723.1 698.6 | 10.1 13.9 | 24.1 | 50 27 | 4.9 | 0.0 | 1.0 |
| 4130 | • | aug | tiiu | 34.0 | 222.4 | 090.0 | 13.3 | 21.3 | ZI | 4.3 | 0.0 | 1.0 |
| 416 6 | 3 | jul | tue | 92.7 | 164.1 | 575.8 | 8.9 | 26.3 | 39 | 3.1 | 0.0 | 1.0 |
| 417 6 | 5 | mar | wed | 93.4 | 17.3 | 28.3 | 9.9 | 13.8 | 24 | 5.8 | 0.0 | 0.0 |
| 418 2 | 4 | aug | sun | 92.0 | 203.2 | 664.5 | 8.1 | 24.9 | 42 | 5.4 | 0.0 | 1.0 |
| 419 2 | 5 | aug | sun | 91.6 | 181.3 | 613.0 | 7.6 | 24.8 | 36 | 4.0 | 0.0 | 1.0 |
| 420 8 | 8 | aug | wed | 91.7 | 191.4 | 635.9 | 7.8 | 26.2 | 36 | 4.5 | 0.0 | 1.0 |
| 421 2 | 4 | aug | wed | 95.2 | 217.7 | 690.0 | 18.0 | 30.8 | 19 | 4.5 | 0.0 | 0.0 |
| 422 8 | 6 | jul | sun | 88.9 | 263.1 | 795.9 | 5.2 | 29.3 | 27 | 3.6 | 0.0 | 1.0 |
| | | | | | | | | | | | | |

| | 423 1 | 3 | sep | sat | 91.2 | 94.3 | 744.4 | 8.4 | 22.3 | 48 | 4.0 | 0.0 | 1.0 |
|---------------|--------------|--------|-----|-------|-------|-------|-------|-------|------|----|-----|-----|-----|
| | 424 8 | 6 | aug | sat | 93.7 | 231.1 | 715.1 | 8.4 | 26.9 | 31 | 3.6 | 0.0 | 1.0 |
| | 425 2 | 2 | aug | thu | 91.6 | 248.4 | 753.8 | 6.3 | 20.4 | 56 | 2.2 | 0.0 | 0.0 |
| | 426 8 | 6 | aug | thu | 91.6 | 248.4 | 753.8 | 6.3 | 20.4 | 56 | 2.2 | 0.0 | 0.0 |
| | 427 2 | 4 | aug | mon | 92.1 | 207.0 | 672.6 | 8.2 | 27.9 | 33 | 2.2 | 0.0 | 1.0 |
| | 428 1 | 3 | aug | thu | 94.8 | 222.4 | 698.6 | 13.9 | 26.2 | 34 | 5.8 | 0.0 | 0.0 |
| | 429 3 | 4 | aug | sun | 91.6 | 181.3 | 613.0 | 7.6 | 24.6 | 44 | 4.0 | 0.0 | 1.0 |
| | 430 7 | 4 | sep | thu | 89.7 | 287.2 | 849.3 | 6.8 | 19.4 | 45 | 3.6 | 0.0 | 0.0 |
| | 431 1 | 3 | aug | sat | 92.1 | 178.0 | 605.3 | 9.6 | 23.3 | 40 | 4.0 | 0.0 | 1.0 |
| | 432 8 | 6 | aug | thu | 94.8 | 222.4 | 698.6 | 13.9 | 23.9 | 38 | 6.7 | 0.0 | 0.0 |
| | 433 2 | 4 | aug | sun | 93.6 | 235.1 | 723.1 | 10.1 | 20.9 | 66 | 4.9 | 0.0 | 1.0 |
| | 434 1 | 4 | aug | fri | 90.6 | 269.8 | 811.2 | 5.5 | 22.2 | 45 | 3.6 | 0.0 | 0.0 |
| | 435 2 | 5 | jul | sat | 90.8 | 84.7 | 376.6 | 5.6 | 23.8 | 51 | 1.8 | 0.0 | 0.0 |
| | 436 8 | 6 | aug | mon | 92.1 | 207.0 | 672.6 | 8.2 | 26.8 | 35 | 1.3 | 0.0 | 1.0 |
| | 437 8 | 6 | aug | sat | 89.4 | 253.6 | 768.4 | 9.7 | 14.2 | 73 | 2.7 | 0.0 | 0.0 |
| | 438 2 | 5 | aug | sat | 93.7 | 231.1 | 715.1 | 8.4 | 23.6 | 53 | 4.0 | 0.0 | 1.0 |
| | 439 1 | 3 | sep | fri | 91.1 | 91.3 | 738.1 | 7.2 | 19.1 | 46 | 2.2 | 0.0 | 1.0 |
| | 440 5 | 4 | sep | fri | 90.3 | 290.0 | 855.3 | 7.4 | 16.2 | 58 | 3.6 | 0.0 | 0.0 |
| | 441 8 | 6 | aug | mon | 92.1 | 207.0 | 672.6 | 8.2 | 25.5 | 29 | 1.8 | 0.0 | 1.0 |
| | 442 6 | 5 | apr | mon | 87.9 | 24.9 | 41.6 | 3.7 | 10.9 | 64 | 3.1 | 0.0 | 1.0 |
| | 443 1 | 2 | jul | fri | 90.7 | 80.9 | 368.3 | 16.8 | 14.8 | 78 | 8.0 | 0.0 | 0.0 |
| wwinidndrairn | | Y moi | nth | day F | FMC D | MC | DC | ISI t | emp | | | | RH |
| www.manaran | аюниць | Juipui | | | | | | | | | | | |
| | 444 | 25 | sep | fri | 90.3 | 290.0 | 855.3 | 7.4 | 16.2 | 58 | 3.6 | 0.0 | 1.0 |
| | 445 | 5 5 | aug | sun | 94.0 | 47.9 | 100.7 | 10.7 | 17.3 | 80 | 4.5 | 0.0 | 0.0 |
| | 446 | 6 5 | aug | sun | 92.0 | 203.2 | 664.5 | 8.1 | 19.1 | 70 | 2.2 | 0.0 | 0.0 |
| | 447 | 3 4 | mar | wed | 93.4 | 17.3 | 28.3 | 9.9 | 8.9 | 35 | 8.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | | |

| 448 | 74 | sep | wed | 89.7 | 284.9 | 844.0 | 10.1 | 10.5 | 77 | 4.0 | 0.0 | 0.0 |
|-----|-----|-----|-----|------|-------|-------|------|------|----|-----|-----|-----|
| 449 | 74 | aug | sun | 91.6 | 181.3 | 613.0 | 7.6 | 19.3 | 61 | 4.9 | 0.0 | 0.0 |
| 450 | 45 | aug | wed | 95.2 | 217.7 | 690.0 | 18.0 | 23.4 | 49 | 5.4 | 0.0 | 1.0 |
| 451 | 14 | aug | fri | 90.5 | 196.8 | 649.9 | 16.3 | 11.8 | 88 | 4.9 | 0.0 | 1.0 |
| 452 | 74 | aug | mon | 91.5 | 238.2 | 730.6 | 7.5 | 17.7 | 65 | 4.0 | 0.0 | 0.0 |
| 453 | 45 | aug | thu | 89.4 | 266.2 | 803.3 | 5.6 | 17.4 | 54 | 3.1 | 0.0 | 0.0 |
| 454 | 34 | aug | thu | 91.6 | 248.4 | 753.8 | 6.3 | 16.8 | 56 | 3.1 | 0.0 | 0.0 |
| 455 | 3 4 | jul | mon | 94.6 | 160.0 | 567.2 | 16.7 | 17.9 | 48 | 2.7 | 0.0 | 0.0 |
| 456 | 24 | aug | thu | 91.6 | 248.4 | 753.8 | 6.3 | 16.6 | 59 | 2.7 | 0.0 | 0.0 |
| 457 | 14 | aug | wed | 91.7 | 191.4 | 635.9 | 7.8 | 19.9 | 50 | 4.0 | 0.0 | 1.0 |
| 458 | 86 | aug | sat | 93.7 | 231.1 | 715.1 | 8.4 | 18.9 | 64 | 4.9 | 0.0 | 1.0 |
| 459 | 7 4 | aug | sat | 91.6 | 273.8 | 819.1 | 7.7 | 15.5 | 72 | 8.0 | 0.0 | 1.0 |
| 460 | 25 | aug | sat | 93.7 | 231.1 | 715.1 | 8.4 | 18.9 | 64 | 4.9 | 0.0 | 0.0 |
| 461 | 86 | aug | sat | 93.7 | 231.1 | 715.1 | 8.4 | 18.9 | 64 | 4.9 | 0.0 | 0.0 |
| 462 | 14 | sep | sun | 91.0 | 276.3 | 825.1 | 7.1 | 14.5 | 76 | 7.6 | 0.0 | 1.0 |
| 463 | 6 5 | feb | tue | 75.1 | 4.4 | 16.2 | 1.9 | 4.6 | 82 | 6.3 | 0.0 | 1.0 |
| 464 | 6 4 | feb | tue | 75.1 | 4.4 | 16.2 | 1.9 | 5.1 | 77 | 5.4 | 0.0 | 1.0 |
| 465 | 22 | feb | sat | 79.5 | 3.6 | 15.3 | 1.8 | 4.6 | 59 | 0.9 | 0.0 | 1.0 |
| 466 | 6 5 | mar | mon | 87.2 | 15.1 | 36.9 | 7.1 | 10.2 | 45 | 5.8 | 0.0 | 1.0 |
| 467 | 3 4 | mar | wed | 90.2 | 18.5 | 41.1 | 7.3 | 11.2 | 41 | 5.4 | 0.0 | 1.0 |
| 468 | 6 5 | mar | thu | 91.3 | 20.6 | 43.5 | 8.5 | 13.3 | 27 | 3.6 | 0.0 | 1.0 |
| 469 | 63 | apr | sun | 91.0 | 14.6 | 25.6 | 12.3 | 13.7 | 33 | 9.4 | 0.0 | 1.0 |
| 470 | 5 4 | apr | sun | 91.0 | 14.6 | 25.6 | 12.3 | 17.6 | 27 | 5.8 | 0.0 | 0.0 |
| 471 | 43 | may | fri | 89.6 | 25.4 | 73.7 | 5.7 | 18.0 | 40 | 4.0 | 0.0 | 1.0 |
| 472 | 83 | jun | mon | 88.2 | 96.2 | 229.0 | 4.7 | 14.3 | 79 | 4.0 | 0.0 | 1.0 |
| 473 | 9 4 | jun | sat | 90.5 | 61.1 | 252.6 | 9.4 | 24.5 | 50 | 3.1 | 0.0 | 1.0 |
| 474 | 43 | jun | thu | 93.0 | 103.8 | 316.7 | 10.8 | 26.4 | 35 | 2.7 | 0.0 | 1.0 |

| 475 | 2 | 5 | jun | thu | 93.7 | 121.7 | 350.2 | 18.0 | 22.7 | 40 | 9.4 | 0.0 | 1.0 |
|-----------------|------------|---|---------------------|-------------|--------------|----------------|------------|-------------|-----------------|----|----------------------|----------------------|--------|
| 476 | 4 | 3 | jul | thu | 93.5 | 85.3 | 395.0 | 9.9 | 27.2 | 28 | 1.3 | 0.0 | 1.0 |
| 477 | 4 | 3 | jul | sun | 93.7 | 101.3 | 423.4 | 14.7 | 26.1 | 45 | 4.0 | 0.0 | 1.0 |
| 478 | 7 | 4 | jul | sun | 93.7 | 101.3 | 423.4 | 14.7 | 18.2 | 82 | 4.5 | 0.0 | 1.0 |
| 479 | 7 | 4 | jul | mon | 89.2 | 103.9 | 431.6 | 6.4 | 22.6 | 57 | 4.9 | 0.0 | 1.0 |
| 480 | 99 XY | | jul month | thu dayF | 93.2 FFMC | 2114.45 DMC | 60.0 DC | 9.5 ISIt | 30.2 emp | 25 | 4.5 RH win | 0.0 d rain | output |
| 48 | 1 4 | 3 | jul | thu | 93.2 | 114.4 | 560.0 | 9.5 | 30.2 | 22 | 4.9 | 0.0 | 0.0 |
| 48 | 2 3 | 4 | aug | sun | 94.9 | 130.3 | 587.1 | 14.1 | 23.4 | 40 | 5.8 | 0.0 | 1.0 |
| 483 | 3 8 | 6 | aug | sun | 94.9 | 130.3 | 587.1 | 14.1 | 31.0 | 27 | 5.4 | 0.0 | 0.0 |
| 48 | 4 2 | 5 | aug | sun | 94.9 | 130.3 | 587.1 | 14.1 | 33.1 | 25 | 4.0 | 0.0 | 1.0 |
| 48 | 5 2 | 4 | aug | mon | 95.0 | 135.5 | 596.3 | 21.3 | 30.6 | 28 | 3.6 | 0.0 | 1.0 |
| 48 | 6 5 | 4 | aug | tue | 95.1 | 141.3 | 605.8 | 17.7 | 24.1 | 43 | 6.3 | 0.0 | 1.0 |
| 48 | 7 5 | 4 | aug | tue | 95.1 | 141.3 | 605.8 | 17.7 | 26.4 | 34 | 3.6 | 0.0 | 1.0 |
| 48 | 8 4 | 4 | aug | tue | 95.1 | 141.3 | 605.8 | 17.7 | 19.4 | 71 | 7.6 | 0.0 | 1.0 |
| 489 | 9 4 | 4 | aug | wed | 95.1 | 141.3 | 605.8 | 17.7 | 20.6 | 58 | 1.3 | 0.0 | 0.0 |
| 490 | 0 4 | 4 | aug | wed | 95.1 | 141.3 | 605.8 | 17.7 | 28.7 | 33 | 4.0 | 0.0 | 0.0 |
| 49 | 1 4 | 4 | aug | thu | 95.8 | 152.0 | 624.1 | 13.8 | 32.4 | 21 | 4.5 | 0.0 | 0.0 |
| 49 | 2 1 | 3 | aug | fri | 95.9 | 158.0 | 633.6 | 11.3 | 32.4 | 27 | 2.2 | 0.0 | 0.0 |
| 493 | 3 1 | 3 | aug | fri | 95.9 | 158.0 | 633.6 | 11.3 | 27.5 | 29 | 4.5 | 0.0 | 1.0 |
| 49 | 4 6 | 6 | aug | sat | 96.0 | 164.0 | 643.0 | 14.0 | 30.8 | 30 | 4.9 | 0.0 | 1.0 |
| 49 | 5 6 | 6 | aug | mon | 96.2 | 175.5 | 661.8 | 16.8 | 23.9 | 42 | 2.2 | 0.0 | 0.0 |
| 49 | 6 4 | 5 | aug | mon | 96.2 | 175.5 | 661.8 | 16.8 | 32.6 | 26 | 3.1 | 0.0 | 1.0 |
| 49 | 7 3 | 4 | aug | tue | 96.1 | 181.1 | 671.2 | 14.3 | 32.3 | 27 | 2.2 | 0.0 | 1.0 |
| 498 | 8 6 | 5 | aug | tue | 96.1 | 181.1 | 671.2 | 14.3 | 33.3 | 26 | 2.7 | 0.0 | 1.0 |
| 49 | 9 7 | 5 | aug | tue | 96.1 | 181.1 | 671.2 | 14.3 | 27.3 | 63 | 4.9 | 6.4 | 1.0 |
| 50 | 8 0 | 6 | aug | tue | 96.1 | 181.1 | 671.2 | 14.3 | 21.6 | 65 | 4.9 | 8.0 | 0.0 |
| 50 ⁻ | 1 7 | 5 | aug | tue | 96.1 | 181.1 | 671.2 | 14.3 | 21.6 | 65 | 4.9 | 8.0 | 0.0 |
| 50 | 2 4 | 4 | aug | tue | 96.1 | 181.1 | 671.2 | 14.3 | 20.7 | 69 | 4.9 | 0.4 | 0.0 |
| | | | | | | | | | | | | | |

| 503 2 | 4 | aug | wed | 94.5 | 139.4 | 689.1 | 20.0 | 29.2 | 30 | 4.9 | 0.0 | 1.0 |
|----------------|---|-----|-----|------|-------|-------|------|------|----|-----|-----|-----|
| 504 4 | 3 | aug | wed | 94.5 | 139.4 | 689.1 | 20.0 | 28.9 | 29 | 4.9 | 0.0 | 1.0 |
| 505 1 | 2 | aug | thu | 91.0 | 163.2 | 744.4 | 10.1 | 26.7 | 35 | 1.8 | 0.0 | 1.0 |
| 506 1 | 2 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 18.5 | 73 | 8.5 | 0.0 | 0.0 |
| 507 2 | 4 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 25.9 | 41 | 3.6 | 0.0 | 0.0 |
| 508 1 | 2 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 25.9 | 41 | 3.6 | 0.0 | 0.0 |
| 509 5 | 4 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 21.1 | 71 | 7.6 | 1.4 | 1.0 |
| 510 6 | 5 | aug | fri | 91.0 | 166.9 | 752.6 | 7.1 | 18.2 | 62 | 5.4 | 0.0 | 1.0 |
| 511 8 | 6 | aug | sun | 81.6 | 56.7 | 665.6 | 1.9 | 27.8 | 35 | 2.7 | 0.0 | 0.0 |
| 512 4 | 3 | aug | sun | 81.6 | 56.7 | 665.6 | 1.9 | 27.8 | 32 | 2.7 | 0.0 | 1.0 |
| 513 2 | 4 | aug | sun | 81.6 | 56.7 | 665.6 | 1.9 | 21.9 | 71 | 5.8 | 0.0 | 1.0 |
| 514 7 | 4 | aug | sun | 81.6 | 56.7 | 665.6 | 1.9 | 21.2 | 70 | 6.7 | 0.0 | 1.0 |
| 515 1 | 4 | aug | sat | 94.4 | 146.0 | 614.7 | 11.3 | 25.6 | 42 | 4.0 | 0.0 | 0.0 |
| 516 6 3 | 3 | nov | tue | 79.5 | 3.0 | 106.7 | 1.1 | 11.8 | 31 | 4.5 | 0.0 | 0.0 |

In[]:

In [1]: import keras from keras.preprocessing.image import ImageDataGenerator

In[2]: #Define the parameters/arguments for ImageDataGeneratorclass train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,rotation_range=180,zoom_range

test_datagen=ImageDataGenerator(rescale=1./255)

In [3]: #Applying ImageDataGenerator functionality to trainset

x_train=train_datagen.flow_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Dataset\ target_size=(128,128),batch_size=32, class mode='binary')

Found 436 images belonging to 2 classes.

In [4]: #Applying ImageDataGenerator functionality to testset

x_test=test_datagen.flow_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\te target_size=(128,128),batch_size=32, class_mode='binary')

Found 121 images belonging to 2 classes.

#importmodelbuilding libraries

#Todefine Linearinitialisation import Sequential from

keras.models import Sequential

#To add layers import Dense from

keras.layers import Dense

#Tocreate Convolutionkernelimport Convolution2D

fromkeras.layersimportConvolution2D

#import Maxpooling layer from

keras.layers import MaxPooling2D

#import flatten layer from keras.layers

import Flatten import warnings

warnings.filterwarnings('ignore')

In[7]:

#initializing the model model=Sequential()

In[8]:

#add convolutional layer

model.add(Convolution2D(32,(3,3),input_shape=(128,128,3),activation='relu')) #add

maxpooling layer model.add(MaxPooling2D(pool_size=(2,2)))

#add flatten layer model.add(Flatten())

In [9]: #add hidden layer
In [10] model.add(Dense(150,activation='relu')) #add output
layermodel.add(Dense(1,activation='sigmoid'))

#configure the learning process model.compile(loss='binary_crossentropy',optimizer="adam",metrics=["accuracy"])

#Training the model model.fit_generator(x_train,steps_per_epoch=14,epochs=10,validation_data=x_test,validation_st

```
Epoch 1/10
          14/14[========================]-84s6s/step-loss:4.2334-accuracy:0.5619-val_loss: 1.3686-
          val accuracy:0.5950Epoch2/10
          val_accuracy:0.8926Epoch3/10
          14/14[===============]-123s9s/step-loss:0.2231-accuracy:0.9197-val_loss: 0.1323-
          val accuracy:0.9669Epoch4/10
          14/14[========================]-75s5s/step-loss:0.2170-accuracy:0.9128-val_loss: 0.1082-
          val accuracy:0.9669Epoch5/10
          I loss: 0.1145 - val accuracy: 0.9669Epoch 6/10
          14/14[========================-1.11s8s/step-loss:0.1938-accuracy:0.9037-val loss: 0.1030 -
          val accuracy:0.9669
     Epoch14/14 [=========7/10
                                                                                      ====]
                                       -val
-88s6s/step
           -loss: 0.1756 -accuracy:0.9312
                                                   0.0831-val accuracy:0.97528/10
                                             loss:
          Epoch
     -86s
                                             6s/step-loss:0.1564-accuracy:0.9404-val
                                                                                loss:
                                                                                      ====1
          Epoch
                    0.1073-val_accuracy:0.96699/10
           ====]-77s6s/step-loss:0.1480-accuracy:0.9427-val_
                                                loss: 0.0754 - val_accuracy:0.983510/10
                                                                                        Epoch
[==============
                                      ====1
           14/14
                                             -81s6s/step
                                                        -loss: 0.1641
                                                                       -accuracy:0.9289
                                                                                        -val
            loss:
                       0.0601 - val accuracy:0.9835
          <keras.callbacks.Historyat0x2546507bf10>Out[11]:
  In[12]:
           model.save("forest1.h5")
                  load model from
                                  keras.modelfrom
  In [13]:
          keras.models import load_model #import image
          classfromkerasfromtensorflow.keras.preprocessing
          importimage
          #import numpy import
          numpy as np
          #import cv2 import
```

In [15]: #load the saved model model =
load_model("forest1.h5")

| In [16]: In[17]: | img=image.load_img(r'C:\Users\dhine\Downloads\archive\Dataset\test_set\with fire\skynx=image.img_to_array(img) res = cv2.resize(x, dsize=(128, 128), interpolation=cv2.INTER_CUBIC) #expand the image shape x=np.expand_dims(res,axis=0) | | | | | | | |
|---------------------|--|--|--|--|--|--|--|--|
| | pred=model.predict(x) | | | | | | | |
| | 1/1 [=================================== | | | | | | | |
| | pred | | | | | | | |

In [16]: