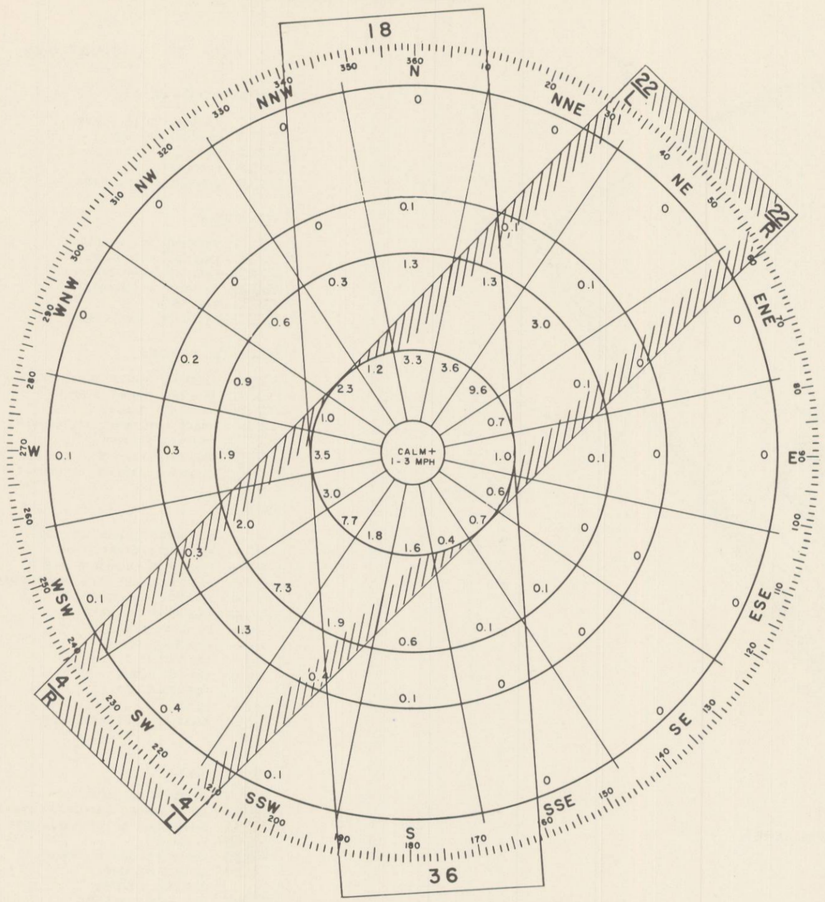
WIND DATA PERIOD APRIL 1949 TO DEC. 1950




USAF RUNWAY WIND COMPUTER

SCALE IN MILES PER HOUR

0 5 10 15 20 25 30 35 40 45 50

0 EQUALS LESS THAN .05 PERCENT

## WIND COVERAGE TABULATIONS

| EXISTING RUNWAY DIRECTIONS AND COMBINATIONS | | | | | | | PLANNED RUNWAY DIRECTIONS AND COMBINATIONS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % OF TRAFFIC | RUNWAY DIAGRAM | RUNWAY OR COMBINATION | RUNWAY LOAD BEAR. CAPACITY | RUNWAY LENGTH & WIDTH | % COVERED | % NOT COVERED | RUNWAY DIAGRAM | RUNWAY OR COMBINATION | RUNWAY LOAD BEAR. CAPACITY | RUNWAY LENGTH & WIDTH | % COVERED | % NOT COVERED | ULTIMATE EXTENSION |
| ° | | 4R-22L<br>*4L-22R | 18,500 SINGLE<br>25,000 SINGLE | 5,000' X 150'<br>7,500' X 150' | 94.4 | 5.6 | | 4R-22L<br>*4L-22R | 25,000 | 5,000' X 150'<br>7,500' X 150' | 94.4 | 5.6 | |
| ° | | 18-36 | 18,500 SINGLE | 5,000' X 150' | 84.4 | 15.6 | | 18-36 | 25,000 | 5,000' X 150' | 84.4 | 15.6 | |
| | | 4R-22L<br>4L-22R<br>18-36 | | | 96.9 | 3.1 | | 4R-22L<br>4L-22R<br>18-36 | | | 96.9 | 3.1 | |

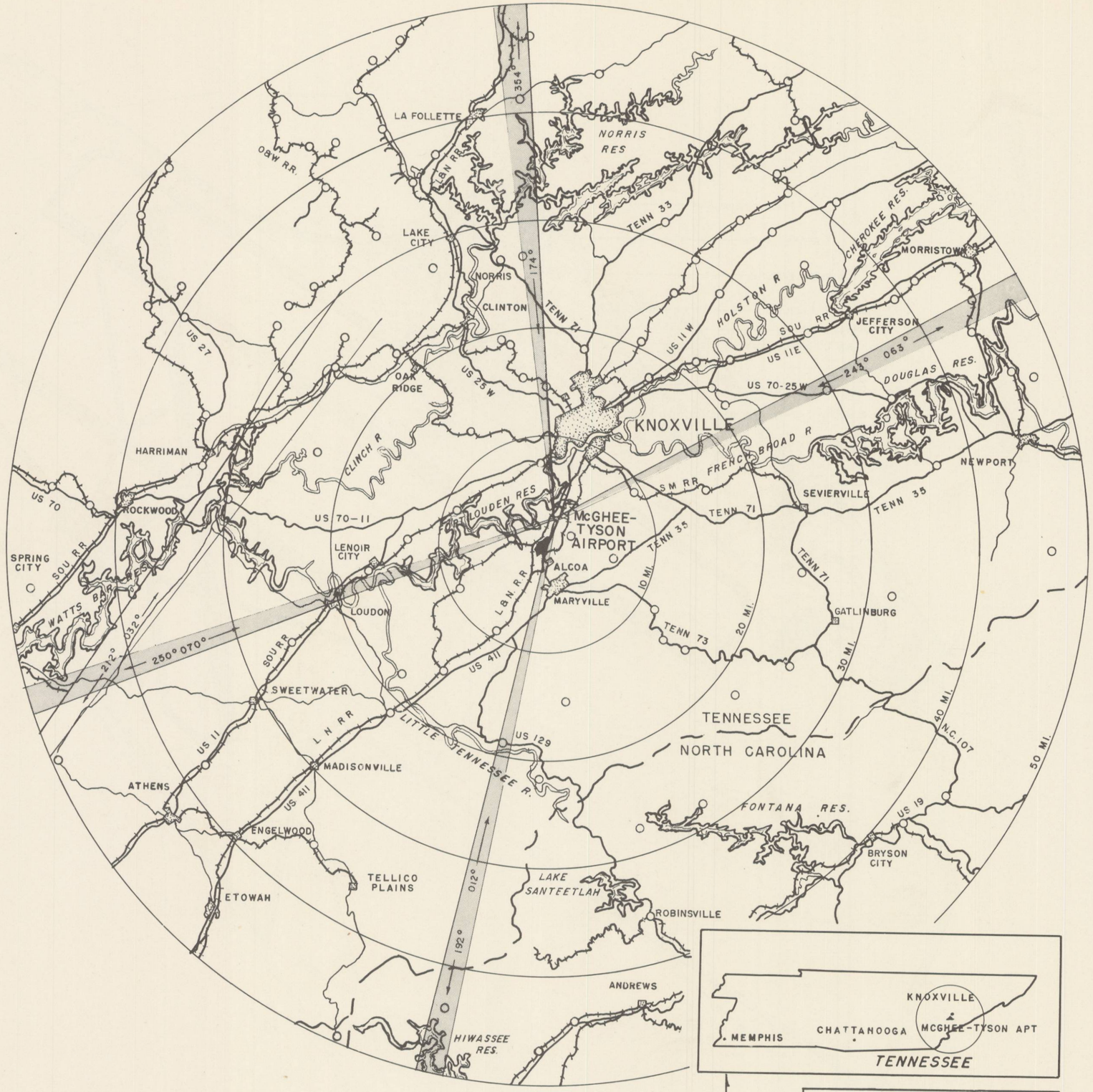
DATA FROM U. S. WEATHER BUREAU.

* INDICATES INSTRUMENT RUNWAY.

° NO TRAFFIC SURVEY AVAILABLE

NOTE EXISTING LOAD BEARING CAPACITIES ARE SHOWN BY SINGLE OR DUAL WHEEL LOAD AS NOTED.

PLANNED LOAD BEARING CAPACITIES ARE SHOWN AS 25,000 LBS. SINGLE OR 100,000 LBS. DUAL WHEEL LOADS.




VICINITY MAP

10 5 0 10 20

SCALE IN MILES




NORTH

0° MAG. DEC.

# McGHEE-TYSON AIRPORT

KNOXVILLE TENNESSEE

VICINITY MAP

WIND ANALYSIS

AIRFIELD PAVEMENT