SERIES 21-24

Series 21-25

METEOROLOGICAL OFFICE

REFERENCE MANUAL

TO

SURFACE MARINE CARD FORM 5407

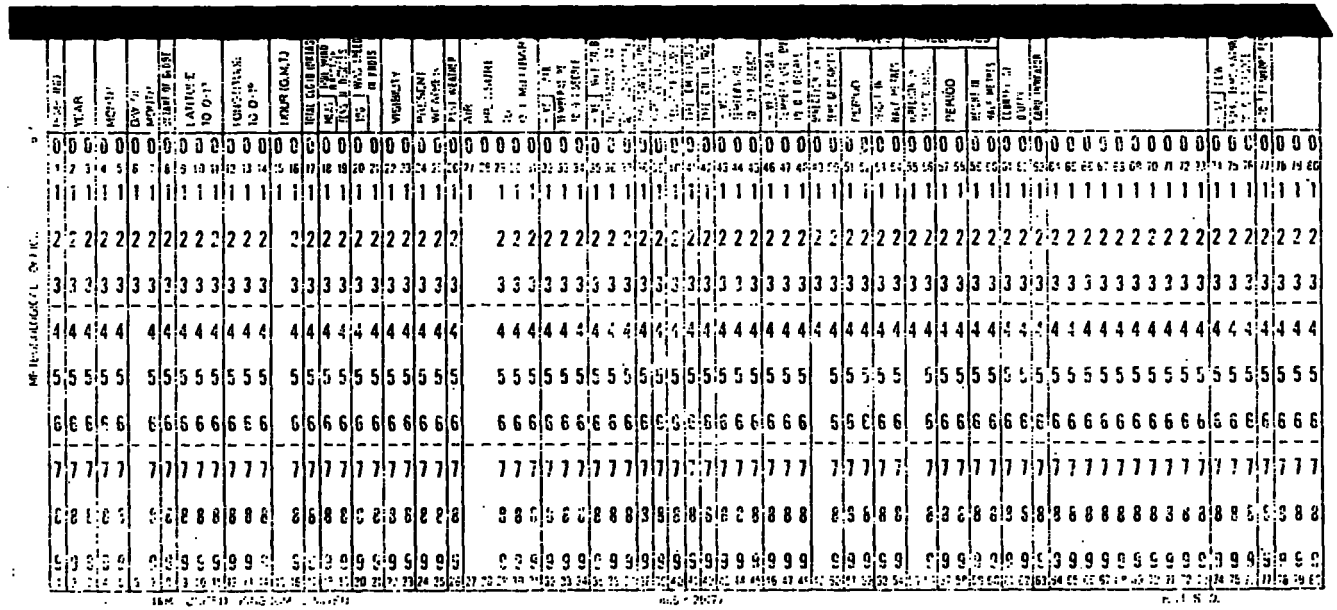
(CR3)

SERIES 21-24
(1962–1981)

# REFERENCE MANUAL

for

# SURFACE MARINE CARD FORM 6407



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Bracknell,
Berkshire.

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 1 | Temperature Indicator | 1 | All temperatures are punched in °C and tenths | | |
| | | 2 | All temperatures are punched in °F and tenths | | |
| | | 3 | All temperatures are punched in whole °C | | |
| | | 4 | All temperatures are punched in whole °F | | |
| | | 5 | All temperatures are punched in half °C | | |
| | | 6 | All temperatures are punched in half °F | | |
| | | 7 | All temperatures are punched in °F and tenths, except Dew point which is punched in whole °F | | |
| 2-3 | Year | 62-99 | 1962 to 1999 | | |
| 4-5 | Month | 01-12 | January to December | | |
| 6-7 | Day | 01-31 | Day of month | | |
| 8 | Octant | 0 | 0° to 90°W | North latitude | Left blank for Light Vessels (Series 22) |
| | | 1 | 90°W to 180° | | |
| | | 2 | 180° to 90°E | | |
| | | 3 | 90°E to 0° | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 8 | Octant (continued) | 5 | 0° to 90°W | South latitude | Left blank for Light Vessels (Series 22) |
| | | 6 | 90°W to 180° | | |
| | | 7 | 180° to 90°E | | |
| | | 8 | 90°E to 0° | | |
| 9-11 | Latitude | 000-900 | 00.0° to 90.0° | | Tenths figure obtained by dividing the minutes by six and neglecting the remainder. Left blank for Light Vessels (Series 22) |
| 12-14 | Longitude | 000-999 | 00.0° to 99.9° | | Tenths figure obtained by dividing the minutes by six and neglecting the remainder. When the longitude was more than 99.9° the hundreds figure was omitted. Left blank for Light Vessels (Series 22) |
| 15-16 | Hour | 00-23 | 0000 to 2300 GMT | | |
| 17 | Total Cloud Amount | 0 | Clear sky | | |
| | | 1-8 | 1 eighth to 8 eighths | | |
| | | 9 | Sky obscured | Or cannot be estimated due to darkness | |
| | | BLANK | No observation | | |
| 18-19 | True Wind Direction | 00 | Calm | | "X" overpunch in column 18 indicates measured data for wind speed and direction |
| | | 01-36 | 010° to 360° | | |
| | | 99 | Variable | Wind speed of 01-05 knots | |
| | | BLANK | No observation | | |
| 20-21 | Wind Speed | 00-99 | 0 to 99 knots | | |
| | | 00-99 | 100 to 199 knots | With "X" overpunch on column 20 | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 20-21 | Wind Speed (continued) | BLANK | No observation | | |
| 22-23 | Visibility | 90 | Less than 55 yards | | If visibility was between two of the distances given, then the code figure for the lower distance was reported e.g. visibility of 600 yards would have been given code figure 93. |
| | | 91 | 55 yards | | |
| | | 92 | 220 yards | | |
| | | 93 | 550 yards | | |
| | | 94 | 1100 yards | | |
| | | 95 | 2200 yards | | |
| | | 96 | 2.2 nautical miles | | |
| | | 97 | 5.4 nautical miles | | |
| | | 98 | 10.8 nautical miles | | |
| | | 99 | 27 nautical miles or more | | |
| | | BLANK | No observation | | |
| 24-25 | Present Weather | 00-49 | NO PRECIPITATION AT THE SHIP AT THE TIME OF OBSERVATION | | |
| | | 00-19 | No precipitation, fog, dust-storm, sand storm, or drifting snow at the time of observation or during the preceding hour except for code 09. | | |
| | | 00 | Cloud development not observed or not observable | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 24-25 | Present Weather (continued) | 01 | Clouds generally dissolving or becoming less developed | Characteristic change of the state of the sky during the past hour | |
| | | 02 | State of sky on the whole unchanged | | |
| | | 03 | Clouds generally forming or developing | | |
| | | 04 | Visibility reduced by smoke | | |
| | | 05 | Dry haze | | |
| | | 06 | Widespread dust in suspension in the air, not raised by wind at or near the ship at time of observation | | |
| | | 07 | Dust or sand raised by wind at or near the ship at the time of observation, but no well developed dust devil(s) and no dust-storm seen | | |
| | | 08 | Well developed dust-devil(s) seen at or near the ship within last hour, but no dust-storm or sand-storm seen | | |
| | | 09 | Dust-storm or sand-storm within sight of ship or at ship during the last hour | | |
| | | 10 | Mist, visibility 1,100 yards or more | | |
| | | 11 | Shallow fog at ship not deeper than about 10 metres (33 ft.) (visibility less than 1,100 yards) | In patches | |
| | | 12 | | More or less continuous | |

| Columns | Item | Code | Code Definition | Remarks | | Reporting and Coding Practices |
|---|---|---|---|---|---|---|
| 24-25 | Present Weather (continued) | 13 | Lightning visible, no thunder heard | | | |
| | | 14 | Precipitation within sight, not reaching the ground or surface of the sea | | | |
| | | 15 | Precipitation within sight, reaching the ground or surface of sea, but distant (i.e. estimated to be more than 5 km) from the ship | | | |
| | | 16 | Precipitation within sight, reaching the ground or surface of sea, near to but not at the ship | | | |
| | | 17 | Thunder heard, but no precipitation at the ship | | | |
| | | 18 | Squalls within sight | At or within sight of the ship during preceding hour or at the time of observation | | |
| | | 19 | Funnel cloud(s). (Tornado cloud or waterspout) | | | |
| | | 20-29 | Precipitation, fog or thunderstorm | At the ship during the preceding hour but not at the time of observation | | |
| | | 20 | Drizzle | Not freezing | Not falling as shower(s) | |
| | | 21 | Rain | Not freezing | | |
| | | 22 | Snow | | | |
| | | 23 | Rain and snow | | | |
| | | 24 | Freezing drizzle or freezing rain | | | |
| | | 25 | Shower(s) of rain | | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 24-25 | Present Weather (continued) | 26 | Shower(s) of snow, or of rain and snow | | |
| | | 27 | Shower(s) of hail, or of hail and rain | | |
| | | 28 | Fog, visibility less than 1,100 yards | | |
| | | 29 | Thunderstorm (with or without precipitation) | | |
| | | 30-39 | Dust-storm, sand-storm or drifting snow | | |
| | | 30 | Slight or moderate dust-storm or sand-storm | Has decreased during preceding hour | |
| | | 31 | | No appreciable change during preceding hour | |
| | | 32 | | Has increased during the preceding hour | |
| | | 33 | Heavy dust-storm or sand-storm | Has decreased during preceding hour | |
| | | 34 | | No appreciable change during preceding hour | |
| | | 35 | | Has increased during preceding hour | |
| | | 36 | Slight or moderate drifting snow | Generally low | |
| | | 37 | Heavy drifting snow | | |
| | | 38 | Slight or moderate drifting snow | Generally high | |
| | | 39 | Heavy drifting snow | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 24-25 | Present weather (continued) | 40-49 | Fog at time of observation | 41-49 visibility less than 1,100 yards | |
| | | 40 | Fog at a distance but not at the ship during the past hour | Fog extending to a level above that of the observer | |
| | | 41 | Fog in patches | | |
| | | 42 | Fog, sky discernible | Has become thinner during the preceding hour | |
| | | 43 | Fog, sky not discernible | | |
| | | 44 | Fog, sky discernible | No appreciable change during the preceding hour | |
| | | 45 | Fog, sky not discernible | | |
| | | 46 | Fog, sky discernible | Has begun, or has become thicker during the preceding hour | |
| | | 47 | Fog, sky not discernible | | |
| | | 48 | Fog, depositing rime | Sky discernible | |
| | | 49 | | Sky not discernible | |
| | | 50-99 | PRECIPITATION AT THE SHIP AT THE TIME OF OBSERVATION | | |
| | | 50-59 | Drizzle | | |
| | | 50 | Drizzle, not freezing, intermittent | Slight at time of observation | |
| | | 51 | Drizzle, not freezing, continuous | | |
| | | 52 | Drizzle, not freezing, intermittent | Moderate at time of observation | |
| | | 53 | Drizzle, not freezing, continuous | | |
| | | 54 | Drizzle, not freezing, intermittent | Heavy at time of observation | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 24-25 | Present weather (continued) | 55 | Drizzle, not freezing, continuous | Heavy at time of observation | |
| | | 56 | Drizzle, freezing | Slight | |
| | | 57 | | Moderate or heavy | |
| | | 58 | Drizzle and rain | Slight | |
| | | 59 | | Moderate or heavy | |
| | | 60-69 | Rain | | |
| | | 60 | Rain, not freezing, intermittent | Slight at time of observation | |
| | | 61 | Rain, not freezing, continuous | | |
| | | 62 | Rain, not freezing, intermittent | Moderate at time of observation | |
| | | 63 | Rain, not freezing, continuous | | |
| | | 64 | Rain, not freezing, intermittent | Heavy at time of observation | |
| | | 65 | Rain, not freezing, continuous | | |
| | | 66 | Rain, freezing | Slight | |
| | | 67 | | Moderate or heavy | |
| | | 68 | Rain (or drizzle) and snow | Slight | |
| | | 69 | | Moderate or heavy | |
| | | 70-79 | Solid precipitation not falling as showers | | |
| | | 70 | Intermittent fall of snow flakes | Slight at time of observation | |
| | | 71 | Continuous fall of snow flakes | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 24-25 | Present weather (continued) | 72 | Intermittent fall of snow flakes | Moderate at time of observation | |
| | | 73 | Continuous fall of snow flakes | | |
| | | 74 | Intermittent fall of snow flakes | Heavy at time of observation | |
| | | 75 | Continuous fall of snow flakes | | |
| | | 76 | Ice needles | With or without fog | |
| | | 77 | Granular snow | | |
| | | 78 | Isolated star-like snow crystals | | |
| | | 79 | Ice pellets | | |
| | | 80-90 | Showery precipitation | No thunder at time of observation or in the preceding hour | |
| | | 80 | Rain shower(s) | Slight | |
| | | 81 | | Moderate or heavy | |
| | | 82 | | Violent | |
| | | 83 | Shower(s) of rain and snow | Slight | |
| | | 84 | | Moderate or heavy | |
| | | 85 | Snow shower(s) | Slight | |
| | | 86 | | Moderate or heavy | |
| | | 87 | Showers of soft or small hail with or without rain or rain and snow mixed | Slight | |
| | | 88 | | Moderate or heavy | |
| | | | | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 24-25 | Present weather (continued) | 89 | Showers of hail, with or without rain or rain and snow mixed, not associated with thunder | Slight | |
| | | 90 | | Moderate or heavy | |
| | | 91-99 | Thunderstorm | At time of observation or in preceding hour | |
| | | 91 | Slight rain at time of observation | Thunderstorm during the preceding hour, but not at time of observation | |
| | | 92 | Moderate or heavy rain at time of observation | | |
| | | 93 | Slight snow, or rain and snow mixed, or hail at time of observation | | |
| | | 94 | Moderate or heavy snow, or rain and snow mixed, or hail at time of observation | | |
| | | 95 | Thunderstorm, slight or moderate, without hail, but with rain and/or snow at time of observation | Thunderstorm at time of observation | |
| | | 96 | Thunderstorm, slight or moderate, with hail at time of observation | | |
| | | 97 | Thunderstorm, heavy, without hail, but with rain and/or snow at time of observation | | |
| | | 98 | Thunderstorm combined with dust-storm or sand-storm at time of observation. No precipitation (rain, snow, hail) | | |
| | | 99 | Thunderstorm, heavy with hail at time of observation | | |
| | | BLANK | No observation | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 26 | Past weather | 0 | Cloud cover 4/8 or less of the sky throughout the period | | |
| | | 1 | Cloud cover 4/8 sky or less for part of the period and more than 4/8 sky for part of that period | | |
| | | 2 | Cloud cover more than 4/8 of the sky throughout the period | | |
| | | 3 | Dust-storm, sand-storm or drifting snow | | |
| | | 4 | Fog or thick haze | | |
| | | 5 | Drizzle | | |
| | | 6 | Rain | | |
| | | 7 | Snow or rain and snow mixed | | |
| | | 8 | Shower(s) | | |
| | | 9 | Thunderstorm(s), with or without precipitation | | |
| | | BLANK | No observation | | |
| 27-31 | Barometer | 09000-10999 | 900·0 to 1099·9 millibars | | Corrected for temperature and gravity and reduced to mean sea level |
| | | BLANK | No observation | | |
| 32-34 | Air temperature | 000-999 | 0·0°F or °C to 99·9°F or °C | | (See column 1 for units of temperature.) If temperature was reported in whole degrees then column 34 was punched "0" |
| | | 001-999 | –0·1°F or °C to –99·9°F or °C | With "X" overpunch in column 32 | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 32-34 | Air temperature (continued) | BLANK | No observation | | |
| 35-37 | Wet bulb temperature | 000-999 | 0·0°F or °C to 99·9°F or °C | | (See column 1 for units of temperature.) If the temperature was reported in whole degrees then column 37 was punched "0". "X" overpunch in column 37 indicates ice on the wet bulb. |
| | | 001-999 | –0·1°F or °C to –99·9°F or °C | With "X" overpunch in column 35 | |
| | | BLANK | No observation | | |
| 38 | Amount of lowest cloud | 0-9 | as Total cloud (column 17) | | |
| | | BLANK | No observation | | |
| 39 | Type of low cloud | 0 | No cumulus, cumulonimbus, stratocumulus or stratus | | |
| | | 1 | Ragged cumulus other than bad weather, or cumulus with little vertical development and seemingly flattened, or both. | | |
| | | 2 | Cumulus of moderate or strong vertical development generally with protuberances in the form of domes or towers, either accompanied or not by other cumulus or by stratocumulus: all having their base at the same level. | | |
| | | 3 | Cumulonimbus the summits of which, at least partially, lack sharp outlines, but are neither clearly fibrous, cirriform nor in the form of an anvil: cumulus, stratocumulus or stratus may be present. | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 39 | Type of low cloud (continued) | 4 | Stratocumulus formed by the spreading out of cumulus: cumulus may also be present. | | |
| | | 5 | Stratocumulus not proceeding from the spreading out of cumulus. | | |
| | | 6 | Stratus in a more or less continuous sheet or layer, or in ragged shreds, or both, but no stratus fractus of bad weather. | | |
| | | 7 | Stratus fractus of bad weather or cumulus fractus of bad weather (pannus), or both; usually below altostratus or nimbostratus. | | |
| | | 8 | Cumulus and stratocumulus, other than those formed from the spreading out of cumulus; the base of the cumulus at a different level from that of the stratocumulus. | | |
| | | 9 | Cumulonimbus, the upper part of which is clearly fibrous (cirriform), often in the form of an anvil; either accompanied or not by cumulus, stratocumulus, stratus or pannus. | | |
| | | BLANK | No observation | | |
| 40 | Height of low cloud | 0 | 0 to 150 feet | | A height exactly equal to one of the heights in the table is reported by the higher code figure e.g. a height of 2,000 feet would be reported as code figure 5. /If sky |
| | | 1 | 150 to 300 feet | | |
| | | 2 | 300 to 600 feet | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 40 | Height of low cloud (continued) | 3 | 600 to 1,000 feet | | If sky is not discernible due to fog or other phenomenon then code figure 0 is reported. |
| | | 4 | 1,000 to 2,000 feet | | |
| | | 5 | 2,000 to 3,000 feet | | |
| | | 6 | 3,000 to 5,000 feet | | |
| | | 7 | 5,000 to 6,500 feet | | |
| | | 8 | 6,500 to 8,000 feet | | |
| | | 9 | No cloud below 8,000 feet | | |
| | | BLANK | No observation | | |
| 41 | Type of medium cloud | 0 | No altocumulus, altostratus or nimbostratus | | |
| | | 1 | Altostratus, the greatest part of which is semi-transparent: through this part the sun or moon may be weakly visible as through ground glass. | | |
| | | 2 | Altostratus, the greatest part of which is sufficiently dense to hide the sun or moon, or nimbostratus. | | |
| | | 3 | Altocumulus, the greatest part of which is semi-transparent, other than crenelated or in cumuliform tufts: the various elements of the cloud change but slowly and are all at a single level. | | |
| | | 4 | Patches of semi-transparent alto-cumulus (often in the form of almonds /or | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 41 | Type of medium cloud (continued) | 4 | or fishes) which are at one or more levels: the elements of this cloud are continually changing in aspect. | | |
| | | 5 | Semi-transparent altocumulus in bands, or altocumulus in one more or less continuous layer progressively invading the sky: these altocumulus clouds generally thicken as a whole. The layer may be opaque or double with a second sheet. | | |
| | | 6 | Altocumulus proceeding from the spreading out of cumulus. | | |
| | | 7 | Any of the following:<br>(*a*) Altocumulus in two or more layers, usually opaque in places and not progressively invading the sky.<br>(*b*) Opaque layer of altocumulus not progressively invading the sky.<br>(*c*) Altocumulus co-existing with altostratus or nimbostratus or with both. | | |
| | | 8 | Altocumulus with sprouts in the form of small towers or battlements, or altocumulus having the aspect of cumuliform tufts. | | |
| | | 9 | Altocumulus, generally at several layers in a chaotic sky: dense cirrus is usually present. | | |
| | | BLANK | No observation | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 42 | Type of high cloud | 0 | No cirrus, cirrostratus or cirrocumulus. | | |
| | | 1 | Cirrus in the form of filaments, strands or hooks, not progressively invading the sky (often called "mares" tails). | | |
| | | 2 | Dense cirrus in patches or entangled sheaves which usually do not increase and sometimes seem to be the remains of the upper part of cumulonimbus: or cirrus with sproutings in the form of towers or battlements or having the aspect of cumuliform tufts. | | |
| | | 3 | Cirrus, often in the form of an anvil, either the remains of the upper parts of cumulonimbus or parts of distinct cumulonimbus, the cumuliform portions of which cannot be seen. | | |
| | | 4 | Cirrus in the form of hooks or of filaments, or both, progressively invading the sky: they generally become denser as a whole. | | |
| | | 5 | Cirrus, often in bands converging towards one or two points of the horizon and cirrostratus, or cirrostratus only: in either case they are progressively invading the sky, and generally growing denser as a whole, but the continuous veil does not reach 45 degrees above the horizon. | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 42 | Type of high cloud (continued) | 6 | Cirrus, often in bands converging towards one or two points of the horizon and cirrostratus, or cirrostratus only: in either case they are progressively invading the sky, and generally growing denser as a whole, but the continuous veil exceeds 45 degrees above the horizon without the sky being totally covered. | | |
| | | 7 | Veil of cirrostratus completely covering the celestial dome. | | |
| | | 8 | Cirrostratus not progressively invading the sky and not completely covering the celestial dome. | | |
| | | 9 | Cirrocumulus alone or cirrocumulus accompanied by cirrus or cirrostratus, or both, but cirrocumulus is the predominant cirriform cloud. | | |
| | | BLANK | No observation | | |
| 43-45 | Sea Temperature | 000 to 999 | 00·0°F or °C to 99·9°F or °C | | (See column 1 for units of temperature) If the temperature was reported in whole degrees column 45 was punched "0". |
| | | 001 to 999 | -00·1°F or °C to -99·9° F or °C | With "X" overpunch in column 43 | |
| | | BLANK | No observation | | |
| 46-48 | Air minus sea temperature difference | 000-999 | 0·0°F or °C to 99·9°F or °C | Air temperature is greater than or equal to the sea temperature | See column 1 for units of temperature |
| | | 001-999 | -0·1°F or °C to -99·9°F or °C | With an "X" overpunch in column 46. Sea temperature is greature than air temperature | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 46-48 | Air minus sea temperature difference (continued) | BLANK | No observation but see Remarks | For selected ships only the air minus sea temperature difference will be calculated by computer from the values of air temperature and sea temperature if they are reported to 0·1 of a degree. For Ocean Weather Ships the values reported on the form will be punched. | |
| 49-50 | Wind wave direction | 00 | Calm | | In the case of half way values, the higher ten-degree value was coded, e.g. 125° was coded as 13. |
| | | 01-36 | 010° to 360° | Direction from which waves are coming. | |
| | | 49 | Confused | | |
| | | BLANK | No observation | | |
| 51-52 | Wind wave period | 0 | 20 to 21 seconds | This is punched in column 51 and column 52 will be left blank. | |
| | | 1 | Over 21 seconds | | |
| | | 2 | 5 seconds or less | | |
| | | 3 | 6 to 7 seconds | | |
| | | 4 | 8 to 9 seconds | | |
| | | 5 | 10 to 11 seconds | | |
| | | 6 | 12 to 13 seconds | | |
| | | 7 | 14 to 15 seconds | | |
| | | 8 | 16 to 17 seconds | | |
| | | 9 | 18 to 19 seconds | | |
| | | BLANK | Calm, not determined, or no observation | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 53-54 | Wind wave height | 00-99 | 00-49½ metres | Punched in half metres<br>e.g. Less than ¼ metre is punched as 00<br>3½ metres is punched as 07<br>22 metres is punched as 44 | |
| | | BLANK | No observation | | |
| 55-60 | Swell wave direction, period and height | | As for columns 49-54 | | |
| 61-62 | Country of origin | 00 | Netherlands | | This is the country which actually recruited the ship. |
| | | 01 | Norway | | |
| | | 02 | U.S.A. | | |
| | | 03 | United Kingdom | | |
| | | 04 | France | | |
| | | 05 | Denmark | | |
| | | 06 | Italy | | |
| | | 07 | India | | |
| | | 08 | Hong Kong | | |
| | | 09 | New Zealand | | |
| | | 10 | Ireland | | |
| | | 11 | Philippines | | |
| | | 12 | United Arab Republic | | |
| | | | | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 61-62 | Country of origin (continued) | 13 | Canada | | |
| | | 14 | Belgium | | |
| | | 15 | South Africa | | |
| | | 16 | Australia | | |
| | | 17 | Japan | | |
| | | 18 | Pakistan | | |
| | | 19 | Argentina | | |
| | | 20 | Sweden | | |
| | | 21 | Federal Republic of Germany | | |
| | | 22 | Iceland | | |
| | | 23 | Israel | | |
| | | 24 | Federation of Malaya | | |
| | | 25 | U.S.S.R. | | |
| 63 | Card Indicator | 0 | Punched according to W.M.O. codes, effective in the year indicated in columns 2-3. | | |
| | | 5 | Data with deviating codes as indicated in column 1, otherwise punched according to W.M.O. codes, effective in the year indicated in columns 2-3. | | |
| 64-66 | NOT USED | BLANK | | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 67-68 | Series number | 21 | MARID reports and Scottish Fishery Cruisers from 1.1.62 onwards | | |
| | | 22 | Light Vessel reports from 1.1.62 onwards | | |
| | | 23 | Observations from British, H.M. Ships, Commonwealth and certain foreign ships from 1.1.62 onwards | | |
| | | 24 | British, French and Dutch Weather Ships on stations "A", "I" and "J" from 1.1.62 onwards | | |
| 69-73 | NOT USED | BLANK | | | |
| 74-76 | Dew point | 000-999 | 0·0°C or °F to 99·9°C or °F | | See column 1 for units of temperature |
| | | 001-999 | –0·1°C or °F to –99·9°C or °F | With "X" overpunch in column 74 | |
| | | BLANK | No observation but see Remarks | The Dew point will be calculated by computer for selected ships only, from the values of air temperature and wet bulb temperature if they are reported to 0·1 of a degree.<br>For Ocean Weather Ships the figures reported on the form will be punched. | |
| 77 | Wind force | 0 | Less than 1 knot | | Beaufort scale |
| | | 1 | 1 to 3 knots | | |
| | | 2 | 4 to 6 knots | | |
| | | 3 | 7 to 10 knots | | |
| | | 4 | 11 to 16 knots | | |

| Columns | Item | Code | Code Definition | Remarks | Reporting and Coding Practices |
|---|---|---|---|---|---|
| 77 | Wind force (continued) | 5 | 17 to 21 knots | | Beaufort scale |
| | | 6 | 22 to 27 knots | | |
| | | 7 | 28 to 33 knots | | |
| | | 8 | 34 to 40 knots | | |
| | | 9 | 41 to 47 knots | | |
| | | 0 | 48 to 55 knots | With "X" overpunch | |
| | | 1 | 56 to 63 knots | | |
| | | 2 | 64 knots or more | | |
| | | BLANK | | The Beaufort force will be calculated from the wind speed by computer for selected ships only. For Ocean Weather Ships this column will be left blank. | |
| 78-80 | Logbook No. | 001-999 | | Last three figures of the serial number of the logbook in which the observations are recorded. The Light Vessel identification number is punched in columns 79-80 and 78 is left blank. | |
| | | 001-999 | | With "X" overpunch for H.M. ships. | |
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