



SINGAPOREAN NOTICES TO MARINERS

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The monthly Notices to Mariners contain information required to keep charts and publications published by the Hydrographic Division, Maritime and Port Authority of Singapore up-to-date.

Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately of the discovery of new or suspected dangers to navigation, observed changes to aids to navigation and ways Singaporean Charts and Publications can be improved. The Hydrographic Note on the back page should be used for this purpose.

Detailed information of charts and publications (coverage of charts, latest editions and distributors) are available on the Maritime and Port Authority of Singapore's Website: www.mpa.gov.sg

MPA Telegram Channel: MPA has launched a Telegram channel for notices and circulars. To stay updated, please subscribe via the following link <https://go.gov.sg/mpa-telegram> or scan the QR code:



<https://go.gov.sg/mpa-telegram>

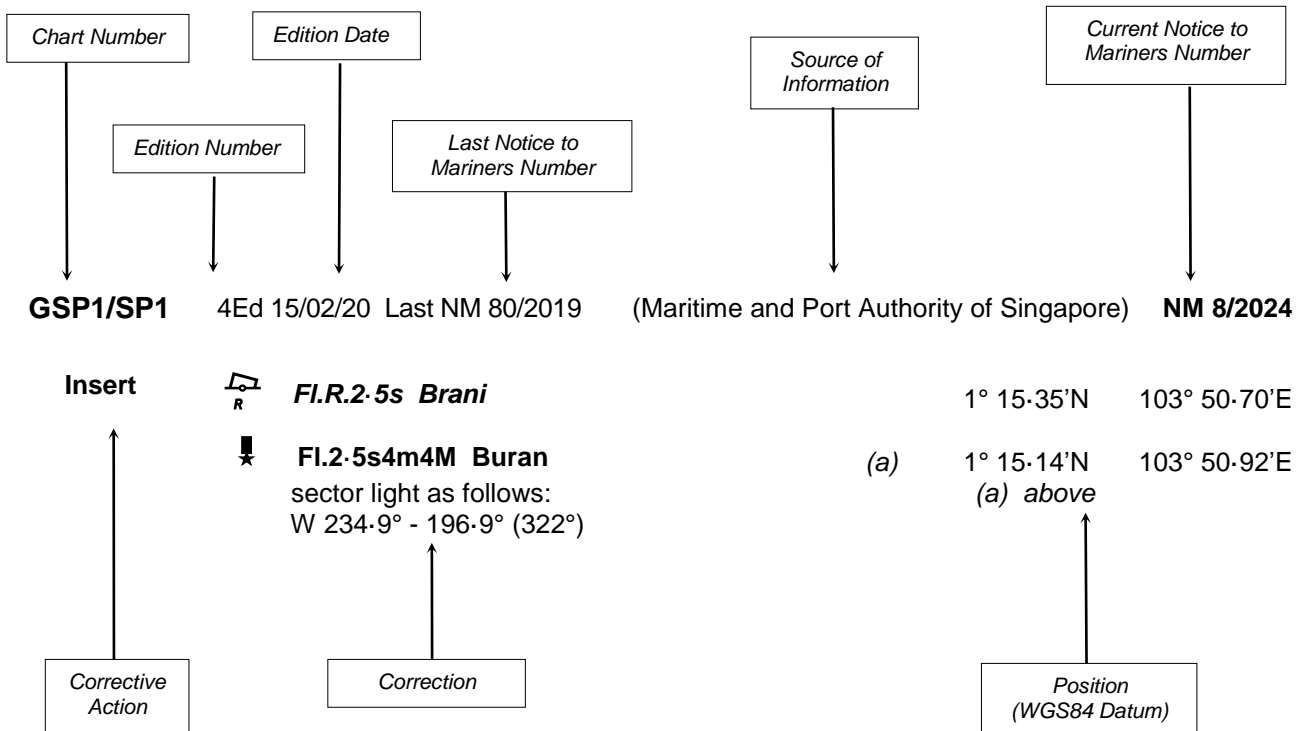
- [Singaporean Notice to Mariners](#)
- [Singaporean Charts](#)
- [Dual-Badged Charts](#)
- [Singapore ENC](#)
- [Malacca and Singapore Straits ENC](#)
- [Singapore Port Information](#)
- [Singapore Tide Tables](#)

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EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



Notes:

- a) Notice to Mariners number followed by:
 - T** indicates a Temporary Notice (eg. **NM 9T/2024**).
 - P** indicates a Preliminary Notice (eg. **NM 10P/2024**).
- b) Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward.
- c) Heights and elevations are above Mean High Water Springs.
- d) # indicates where amendments are made.
- e) * indicates source from Maritime and Port Authority of Singapore.

I
AFFECTED CHARTS AND PUBLICATIONS

INDEX OF NOTICES

NOTICE NO.	DESCRIPTION	PAGE NO.
-	New Charts and Publications	2 - 4
*77	Singaporean Chart GSP1/SP1	5
78	Singaporean Chart 200	5
78	Singaporean Chart 201	5
79, 80 & 81	Singaporean Chart 202	5
80	Singaporean Chart 502	5
80, 81 & 82	Singaporean Chart 503	6
*83	Singapore Port Marine Notices/Circulars	7
*84	Amendments to Publication	10
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-	Extract of Admiralty Notices to Mariners for Dual-Badged Charts	13

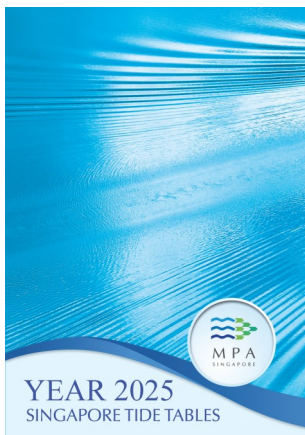
*Source: Maritime and Port Authority of Singapore

II NEW CHARTS AND PUBLICATIONS

SINGAPORE TIDE TABLES YEAR 2025 PUBLISHED ON 17TH SEPTEMBER 2024

Summary of Publication

This publication contains Tidal Height and Tidal Stream Predictions covering stations in Singapore Port Waters and along the Straits of Malacca and Singapore.



1. **High and Low Water Predictions** at the following stations:
 - a) Tanjong Pagar
 - b) Sembawang

2. **Hourly Tidal Height Predictions** at the following stations:
 - a) West Tuas
 - b) Sultan Shoal Lighthouse
 - c) Raffles Lighthouse
 - d) West Coast
 - e) Bukom
 - f) Tanjong Pagar
 - g) Tanah Merah
 - h) Tanjong Changi
 - i) Sembawang
 - j) Singapore Strait - Horsburgh Lighthouse

3. **Hourly Tidal Stream Predictions** at the following stations:
 - a) Main Strait - off Tuas View
 - b) Sinki Fairway - Banyan
 - c) Jong Fairway - off Sisters Buoy
 - d) Main Strait - off Shell SBM Buoy
 - e) Sentosa - off Cruise Bay
 - f) East Buran
 - g) Main Strait - Eastern Petroleum A
 - h) Kuala Johor - off Malang Tiga

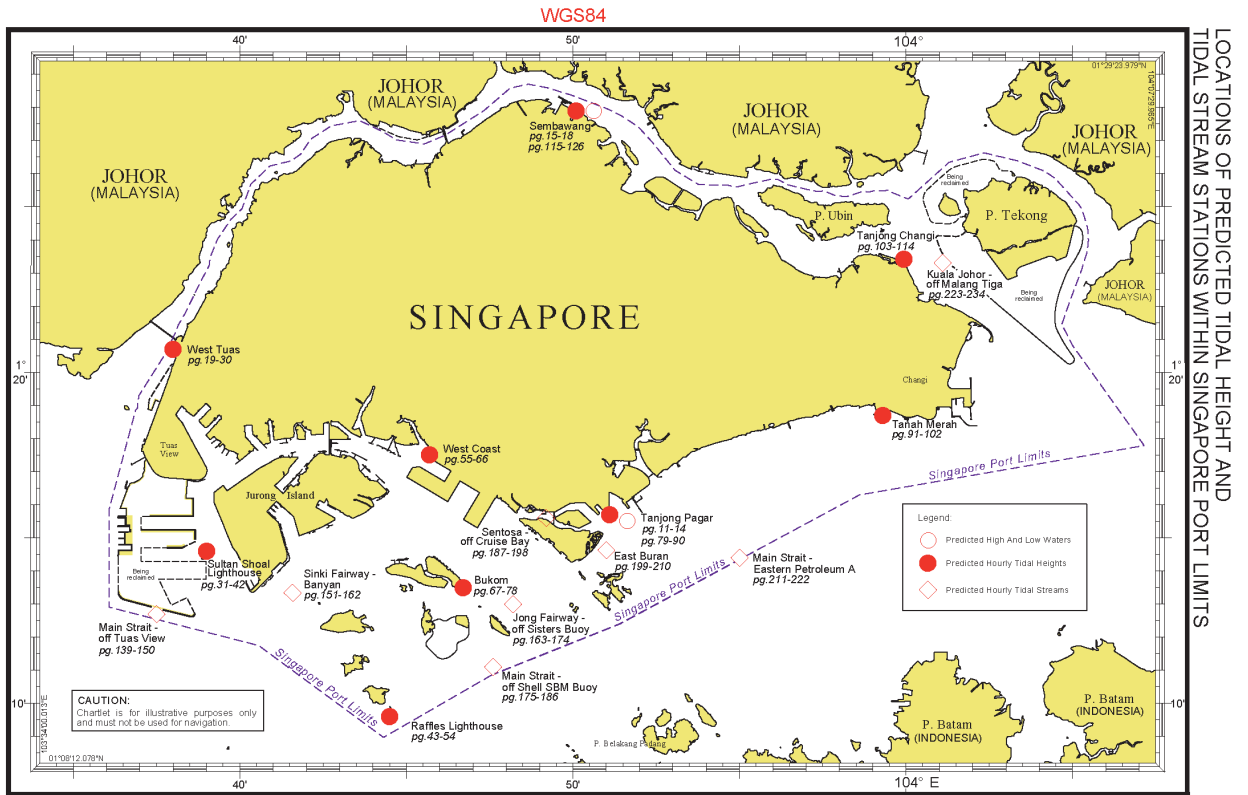
4. **Maximum and Slack Tidal Stream Predictions** at the following stations:
 - a) Malacca Strait - off Pulau Iyu Kecil Light
 - b) Singapore Strait - Selat Phillip
 - c) Singapore Strait - Karang Banteng (Buffalo Rock)
 - d) Singapore Strait - Horsburgh Lighthouse

5. **Malacca Strait - High and Low Water Predictions** at the following stations:
 - a) Kedah Pier, Pulau Pinang
 - b) Port Dickson
 - c) Kuala Batu Pahat

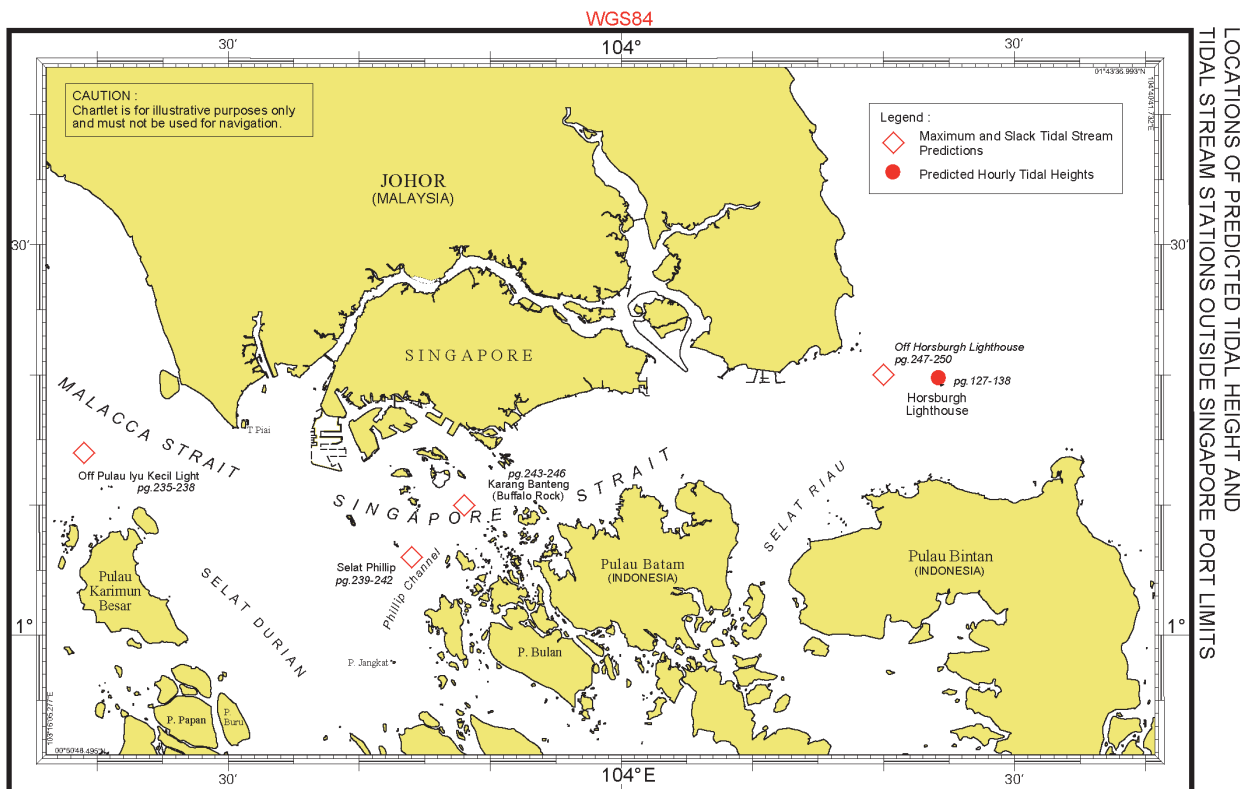
The locations of the above stations are shown in the chartlets below:

II NEW CHARTS AND PUBLICATIONS

Tidal Prediction Stations within Singapore Port Waters



Tidal Prediction Stations within Straits of Malacca and Singapore

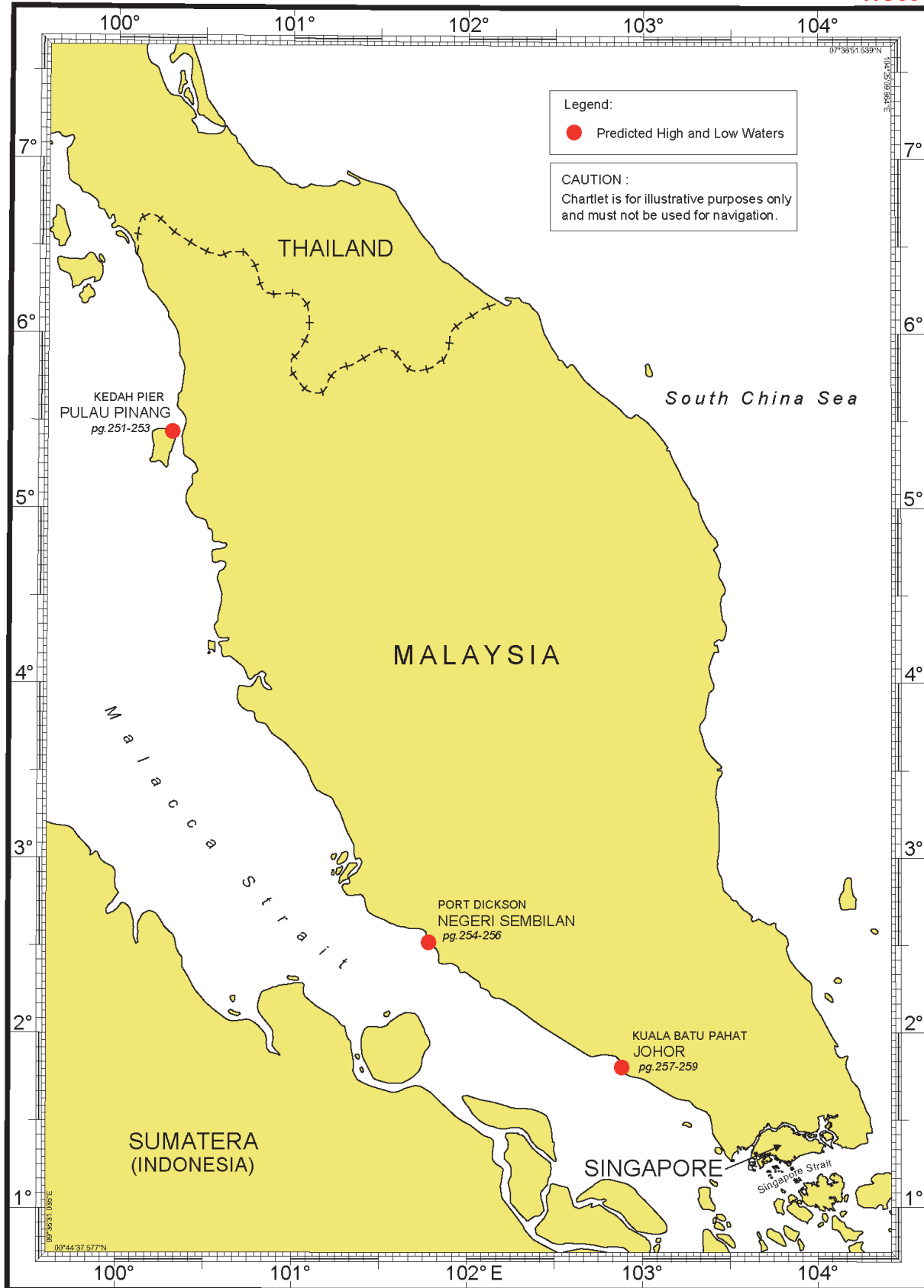


II NEW CHARTS AND PUBLICATIONS








Tidal Prediction Stations In Malacca Strait

LOCATIONS OF PREDICTED TIDAL HEIGHT STATIONS
ALONG THE MALACCA STRAIT

WGS84










II NOTICES TO MARINERS AND CHART CORRECTIONS

GSP1/SP1	8 Ed 17/01/24 Last NM 69/2024	(Maritime and Port Authority of Singapore)	*NM 77/2024
Insert	 <i>DHI-SFA-1, Fl. Y. 5s</i>		1°25·88'N 103°52·22'E
<hr/>			
200	4 Ed 01/09/15 Last NM 59/2024	(Royal Malaysian Navy Notice No.08/152/2024)	NM 78/2024
Delete	submarine cable, joining:		2°20·63'N 102°02·99'E (shore) 2°01·48'N 101°48·29'E (S border)
<hr/>			
201	6 Ed 15/09/17 Last NM 60/2024	(Royal Malaysian Navy Notice No.08/152/2024)	NM 78/2024
Delete	submarine cable, joining:		2°16·99'N 101°58·94'E (N Border) 1°59·02'N 101°46·84'E (shore)
<hr/>			
202	8 Ed 15/09/16 Last NM 60/2024	(Royal Malaysian Navy Notice No.08/153/2024)	NM 79/2024
Replace	depth, 5 ₅ with depth, 4 ₇		1°05·94'N 103°15·93'E
<hr/>			
Insert		(Royal Malaysian Navy Notice No.08/154/2024)	NM 80/2024
			01° 22·09'N 104°17·15'E
			01° 20·85'N 104°18·94'E
			01° 20·92'N 104°18·50'E
<hr/>			
Replace	 <i>FI(2)5s</i> with  <i>FI(2)10s, JBB 97</i>	(Royal Malaysian Navy Notice No.08/155/2024)	NM 81/2024
Insert	 <i>FI(2)10s, KD PENDEKAR</i>		01° 20·88'N 104°18·50'E
<hr/>			
502	9 Ed 15/10/21 Last NM 72/2024	(Royal Malaysian Navy Notice No.08/154/2024)	NM 80/2024
Insert			01° 22·09'N 104°17·15'E

*Source: Maritime and Port Authority of Singapore

II

NOTICES TO MARINERS AND CHART CORRECTIONS

503	5 Ed 15/08/14 Last NM 39/2024	(Royal Malaysian Navy Notice No.08/154/2024)	NM 80/2024
Insert			01° 22·09'N 104°17·15'E
			01° 20·85'N 104°18·94'E
			01° 20·92'N 104°18·50'E
		(Royal Malaysian Navy Notice No.08/155/2024)	NM 81/2024
Replace	 <i>FI(2)5s</i> with	 <i>FI(2)10s, JBB 97</i>	01° 20·86'N 104°18·93'E
Insert	 <i>FI(2)10s, KD PENDEKAR</i>		01° 20·88'N 104°18·50'E
		(Pushidrosal Indonesian Notice No.35/329/2024)	NM 82/2024
Insert			01° 10·81'N 104°18·95'E

II
TEMPORARY AND PRELIMINARY NOTICES

NIL

II
TEMPORARY AND PRELIMINARY NOTICES

Cancelled Temporary and Preliminary Notices

<i>No. of Notices</i>	<i>Subject</i>	<i>Charts Affected</i>
68T/2019	Salvage operations off Western Petroleum 'A' Anchorage	Singaporean GSP1/SP1, 202, 501, Dual Badged BA4035, 4040 & 4041 Singaporean ENC SG5C4035

III NAVIGATIONAL INFORMATION

*(NM 83/2024) SINGAPORE PORT MARINE NOTICES / CIRCULARS

The Port Marine Notices/Circulars shortlisted below would be of particular interest to Mariners. Details and complete list of Port Marine Notices/Circulars are available at this link:

<http://www.mpa.gov.sg/web/portal/home/port-of-singapore/circulars-and-notice>

PMC No. Subject

07/2024	Launch of the digital harbour craft manning licence
08/2024	Launch of the digital powered pleasure craft and advanced powered pleasure craft driving licence cards (PPCDL/APPCDL)
09/2024	Maritime declaration of health
10/2024	Notice of non-renewal of bunker supplier licence and bunker craft operator licence of Sentek Marine & Trading Pte Ltd

PMN No. Subject

74/2024	Construction of sheetpile at outlet drain near East Coast Lagoon
76/2024	Construction of sewer intake structure and sewer discharge culvert
77/2024	Anchoring of vessels at Tuas View extension off AVLCC
78/2024	Reclamation work at Pulau Tekong

*Source: Maritime and Port Authority of Singapore

III AMENDMENTS TO PUBLICATIONS

*(NM 84/2024) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2024”

The Singapore Port Information 2024 including the following updates can be accessed directly from MPA Website:

<https://www.mpa.gov.sg/who-we-are/newsroom-resources/publications/singapore-port-information>

CHARACTERISTICS OF AIDS TO NAVIGATION

SINKI FAIRWAY (Cont/)

1. Page 58

Amend the following:

Name Of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
Sinki Buoy	01°14·046' 103°42·498'	Red white vertical stripe spherical	LFI.W.10s	MPA

EAST JOHOR STRAIT

2. Page 74

Insert the following:

Name Of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
DHI-SFA-1 Buoy	01°25·876' 103°52·219'	Yellow pillar with 'X' topmark	Fl.Y.5s	DHI Water & Environ- ment (S) Pte Ltd

WHARVES AND BERTHS

3. Page 81

CHEVRON SINGAPORE PTE LTD - TANJONG PENJURU (1°17·7'N, 103°44·3'E)

Amend the following:

Berth	Length of Berth Box	Max LOA	Depth Alongside (Year Surveyed)	Approach Depth
OCHV2	309m	280m	14·0m (2024)	13·7m
OCHV6	126m	115m	11·5m (2024)	10·4m

Delete the following:

- * For vessel with LOA more than 300m but less than 335m, it may berth at Berth 1
However, this will reduce the maximum LOA for Berth 2 from 300m to 183m during the stay of vessel at Berth 1.

*Source: Maritime and Port Authority of Singapore

IV
REPRINT OF MARITIME SAFETY INFORMATION

TT418

WEST BOUND DEEP DRAFT VESSELS AND VLCCS ARE REMINDED TO COMPLY WITH THE RULES OF VESSELS NAVIGATING THROUGH THE STRAITS OF MALACCA AND SINGAPORE (SOMS). THEY SHALL ALLOW FOR AN UKC OF AT LEAST 3.5 METRES AT ALL TIMES DURING THE ENTIRE PASSAGE THROUGH THE SOMS AND AS FAR AS IT IS SAFE AND PRACTICABLE, PROCEED AT A SPEED OF NOT MORE THAN 12 KTS OVER THE GROUND IN THE WESTBOUND LANE OF THE SINGAPORE STRAIT (BETWEEN SOUTH OF ST JOHN'S ISLAND & RAFFLES LIGHTHOUSE). THEY ARE ADVISED TO BROADCAST, 8 HOURS BEFORE ENTERING THE TSS, NAVIGATIONAL INFORMATION GIVING NAME, DEADWEIGHT, DRAUGHT, SPEED AND TIMES OF PASSING HORSBURGH LIGHTHOUSE AND RAFFLES LIGHTHOUSE.

TT961

VESSELS INTENDING TO CROSS THE TRAFFIC SEPARATION SCHEME (TSS) OR PRECAUTIONARY AREAS IN THE SINGAPORE STRAIT DURING THE HOURS OF DARKNESS ARE RECOMMENDED TO DISPLAY THE NIGHT SIGNALS CONSISTING OF 3 ALL ROUND GREEN LIGHTS IN A VERTICAL LINE AS DETAILED IN THE MARITIME AND PORT AUTHORITY OF SINGAPORE'S PORT MARINE CIRCULAR, 04 OF 2013 DATED 7 MAY 2013.

TT273

ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, COMPLY WITH THE COLREGS, MAINTAIN VHF RADIO WATCH AND LISTEN TO TRAFFIC INFORMATION WHEN NAVIGATING IN THE SINGAPORE STRAIT AND PORT WATERS. MARINERS ARE ALSO ADVISED TO KEEP A GOOD LOOKOUT OF FREQUENT FERRIES CROSSING THE SINGAPORE STRAIT.

TT175

VESSELS IN EAST JOHOR STRAIT ARE ADVISED TO NAVIGATE WITH PARTICULAR ALERTNESS AND CAUTION WHEN NEAR THE PROJECT AREAS OFF PULAU TEKONG, CHANGI AND MALANG PAPAN AS SHALLOW WATER AREAS EXIST. VESSELS ARE REMINDED TO PROCEED AT A SAFE SPEED AND MAINTAIN A PROPER LOOK-OUT, PARTICULARLY FOR TUGS AND BARGES NAVIGATING NEAR THE PROJECT AREAS AND PASSENGER FERRIES CROSSING BETWEEN CHANGI AND PULAU TEKONG AND VICINITY OF PASIR GUDANG.

TT101

THERE IS A REPORT OF AN UNAUTHORISED BOARDING ON 30 SEP 2024 AT 0102LT IN POSITION LAT 01-05.60N LONG 103-43.7E. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI PIRACY WATCH.

TT100

CABLE SHIP "TENERO" AND SAFETY VESSEL "SUEANN" ARE CARRYING OUT CABLE REPAIR WORKS IN THE SINGAPORE STRAIT STARTING FROM PJSB CROSSING THE WESTBOUND LANE TO EASTBOUND LANE TOWARDS SOUTH CHINA SEA PASSING THE HORSBURGH LIGHTHOUSE. OF VTIS SECTOR 9 FROM 27 SEP 2024 TO 10 OCT 2024. TRANSITTING VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF THE CABLE VESSEL.

TT098

CABLE SHIP "ENDEAVOUR" IS CARRYING OUT PRE LAY CABLE WORKS IN THE SINGAPORE STRAIT STARTING FROM SOUTH CHINA SEA NORTH EAST OF BINTAN TOWARDS SOUTH OF THE HORSBURGH LIGHTHOUSE OUTSIDE THE TSS AND FROM EAST OF KARIMUN ISLAND TOWARDS SOUTH OF HORSBURGH LIGHTHOUSE PASSING SOUTH OF THE EAST BOUND LANE OF VTIS SECTOR 7, 8 AND 9 FROM 17 SEP 2024 TO 06 OCT 2024. TRANSITTING VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF THE CABLE VESSEL.

IV
REPRINT OF MARITIME SAFETY INFORMATION

TT073

CABLE VESSEL "ASEAN PROTECTOR" IS CARRYING OUT CABLE INSTALLATION WORKS IN EJS FROM CHANGI LANDING POINT TO PORT LIMITS OFF PJSB FROM 02 JUL 2024 TO 15 OCT 2024. TRANSITTING VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF THE CABLE VESSEL.

TT031

ISOLATED DANGER BUOY IN POSITION LAT 01-17.70N LONG 104-11.08E HAD BEEN REPORTED UNLIT. VESSELS IN THE VICINITY ARE ADVISED TO KEEP A GOOD LOOKOUT AND NAVIGATE WITH CAUTION.

TT643

THERE IS REPORT OF CONCENTRATION OF FISHING VESSELS OBSERVED IN THE EASTBOUND TRAFFIC LANE IN THE VICINITY BETWEEN BUFFALO ROCK AND BATU BERHANTI. ALL VESSELS ARE ADVISED TO PROCEED AT A SAFE SPEED, KEEP A SHARP LOOK OUT AND NAVIGATE WITH EXTREME CAUTION AT ALL TIME.

TT642

ALL MARINERS NAVIGATING THROUGH THE STRAIT OF SINGAPORE ARE REMINDED TO MAINTAIN CLOSE AND CONTINUOUS MONITORING OF VESSEL-S POSITION. IN DETERMINING RISK OF GROUNDING, DIFFERENT METHODS OF POSITION FIXING SHOULD ALSO BE USED AS MEANS OF CROSS-CHECKING.

TT426

ALL MARINERS ARE REMINDED TO NAVIGATE WITH CAUTION IN THE PRECAUTIONARY AREAS AND TSS ,MAINTAIN A GOOD LOOKOUT FOR CROSSING TRAFFIC. VESSELS INTENDING TO CROSS THE TSS SHALL DO SO ONLY WHEN IT IS SAFE AND SHALL AT ALL TIMES COMPLY WITH THE COLREGS.

TT399

VESSELS ARRIVING TO SINGAPORE OR TRANSITING THROUGH THE STRAIT ARE RECOMMENDED TO UPDATE THEIR DESTINATION ACCURATELY IN THE AIS TO ENHANCE SITUATIONAL AWARENESS FOR OTHER TRAFFIC IN THE VICINITY. EG: SG-PEBGB FOR PILOT EASTERN BOARDING GROUND BRAVO.

TT363

MARINERS ARE REMINDED NOT TO ANCHOR IN ALL AREAS IN THE TSS ,INCLUDING PRECAUTIONARY AREAS OF THE STRAITS OF MALACCA AND SINGAPORE AS WELL AS BETWEEN THE LANDWARD LIMITS OF THE TSS AND APPROACHES TO THE PORTS. VESSELS ENTERING ANY PORT IN ANY LITTORAL STATES ARE TO ANCHOR IN THE ANCHORAGES DESIGNATED BY THE RESPECTIVE LITTORAL STATES. MARINERS ARE ALSO REMINDED THAT EVERY CARE SHOULD BE TAKEN TO AVOID ANCHORING IN THE VICINITY OF SUBMARINE CABLES OR PIPELINES.

ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 30th Sep 2024)

V
EXTRACT OF ADMIRALTY NOTICES TO MARINERS
FOR DUAL BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>



4140* SINGAPORE - Buoyage.

Source: Maritime and Port Authority of Singapore

Chart 4037 [*previous update 2742/24*] WGS84 DATUM

Replace  LFl.10s Marina Safe with  LFl.10s Marina Safe 1° 16'·304N., 103° 52'·043E.

Chart 4041 [*previous update 3605/24*] WGS84 DATUM

Replace  LFl.10s Marina Safe with  LFl.10s Marina Safe 1° 16'·30N., 103° 52'·05E.

4142(T)/24 SINGAPORE - Buoyage.

Source: Maritime and Port Authority of Singapore

1. Light-buoys have been temporarily established in the following positions:

<i>Characteristic</i>	<i>Buoy Type</i>	<i>Designation</i>	<i>Position</i>
<i>Fl(4)Y.10s</i>	Special Purpose	<i>ECS-ADCPI</i>	1° 27'·04N., 103° 44'·48E.
<i>Fl(4)Y.10s</i>	Special Purpose	<i>ECS-ADCP2</i>	1° 27'·89N., 103° 47'·36E.

2. Mariners are advised to navigate with caution in the area.

(WGS84 DATUM)

Charts affected - 4038 - 4044

4207(T)/24 SINGAPORE - Obstructions.

Source: Maritime and Port Authority of Singapore

1. Obstructions exist in the following positions:

<i>Depth</i>	<i>Position</i>
3·3m	1° 17'·475N., 103° 43'·333E.
13·4m	1° 17'·417N., 103° 43'·477E.
15·6m	1° 17'·253N., 103° 43'·697E.

2. Mariners are advised to navigate with caution in the area.

(WGS84 DATUM)

Chart affected - 4034

4218(P)/24 SINGAPORE - Alongside depths. Berths.

Source: Maritime and Port Authority of Singapore

1. Alongside depths at ADVARIO Singapore jetties have changed for the following berths:

<i>Berth</i>	<i>Alongside Depth (Year Surveyed)</i>	<i>Position</i>
OTK1	14·1m (2024)	1° 16'·703N., 103° 44'·270E.
OTK2	13·7m (2024)	1° 16'·765N., 103° 44'·272E.
OTK3	14·0m (2024)	1° 16'·756N., 103° 44'·213E.
OTK4	13·7m (2024)	1° 16'·882N., 103° 44'·145E.
OTK5	13·1m (2024)	1° 16'·813N., 103° 44'·148E.
OTK9	15·9m (2024)	1° 16'·632N., 103° 44'·408E.
OTK18	15·7m (2024)	1° 17'·520N., 103° 43'·437E.

2. Mariners are advised to navigate with caution in the area.

(WGS84 DATUM)

Chart affected - 4034

Updated to Admiralty Notices to Mariners no. 37 of 2024 dated 12th September 2024

HYDROGRAPHIC NOTE - Instructions

1. Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, when new or suspected dangers to navigation are discovered, changes are observed in aids to navigation or where corrections to nautical publications may be necessary. Reports, which cannot be confirmed or are lacking in certain details, should not be withheld.
2. Any ambiguities of time, positioning and depth should be stressed and any firm expectation of being able to check the information provided on a following voyage should be mentioned.
3. Mariners using satellite position fixing systems, eg. GPS, should provide details of equipment and datum used (where applicable). Where bearings (true or magnetic) are taken visually or by radar to fix a position, it should include more than two objects in order to provide a check on its accuracy. A position may also be defined by bearing and distance from a conspicuous object eg. beacon, lighthouse etc.
4. The note should include a tracing or a digital image of the chart used and the details should be clearly marked.
5. Echo sounders frequently register greater depths than the advertised maximum depth for the equipment, eg. a trace appearing at 50 metres may in fact be 550 metres or even 1050 metres for equipment whose maximum depth is 500 metres. Erroneous depths caused by 2nd transmission error can usually be recognised by the following:
 - (a) the tracing being weaker than normal for the depth registered,
 - (b) the trace appearing to pass through the transmission line,
 - (c) the feathery nature of the trace.
6. Upon receipt of a hydrographic note, a Notice to Mariners may be issued. The sender's vessel or name is quoted as the source unless the same information is also received in foreign Notices to Mariners.
7. Reports of shoals, uncharted dangers and defects in aids to navigation may also be made to the appropriate Singapore Port Operations Control Centre on VHF Channels 10, 12, 14, 68 or 73.

HYDROGRAPHIC NOTE

To:
Chief Hydrographer
Maritime and Port Authority of Singapore
7B Keppel Road #20-00 Tanjong Pagar Complex
Singapore 089055

Tel : 1800 272 7777 / (65) 6272 7777
Email : hydrographic@mpa.gov.sg

Sender's Contact Details :

Date :
Name of Vessel :
Address of Sender :
Tel :
Email :

Nature of Observation :

General Location :
Subject :
Position : Lat. Long.
Charts Used :
Date & Time of Observation :
Details :
.....
.....
Attachment :

Equipment Used :

Type of Position Fixing : GPS/DGPS Others :
Type of Echo Sounder :

Name and Signature :

Ship's/Company's Stamp :

103°50.00'E



01°25.00'N

CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
					X	
77	10	69	GSP1/SP1			

Caution : some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer

2°20.00'N

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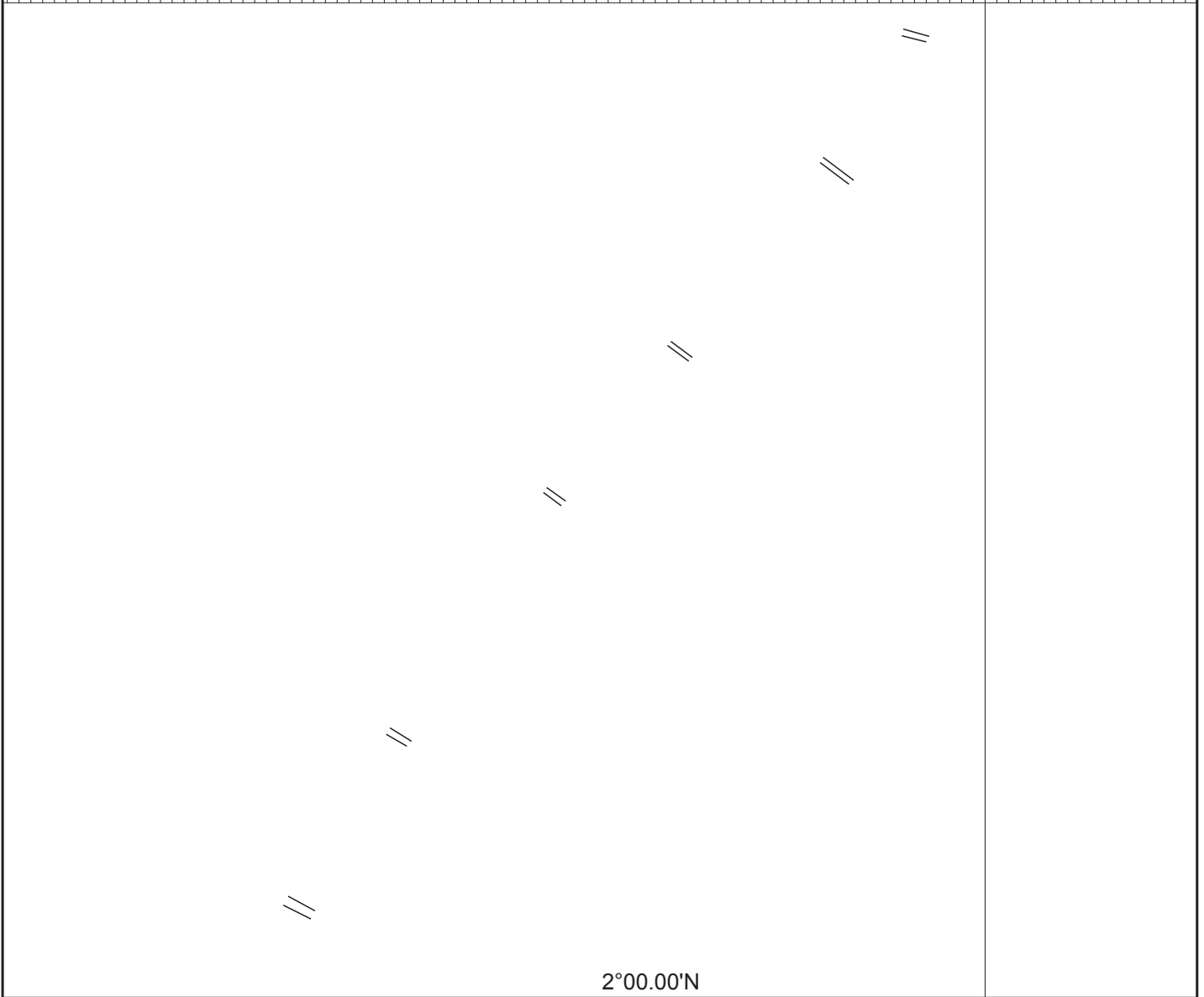
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50'

102°00'

CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
78	10	59	200			
						X

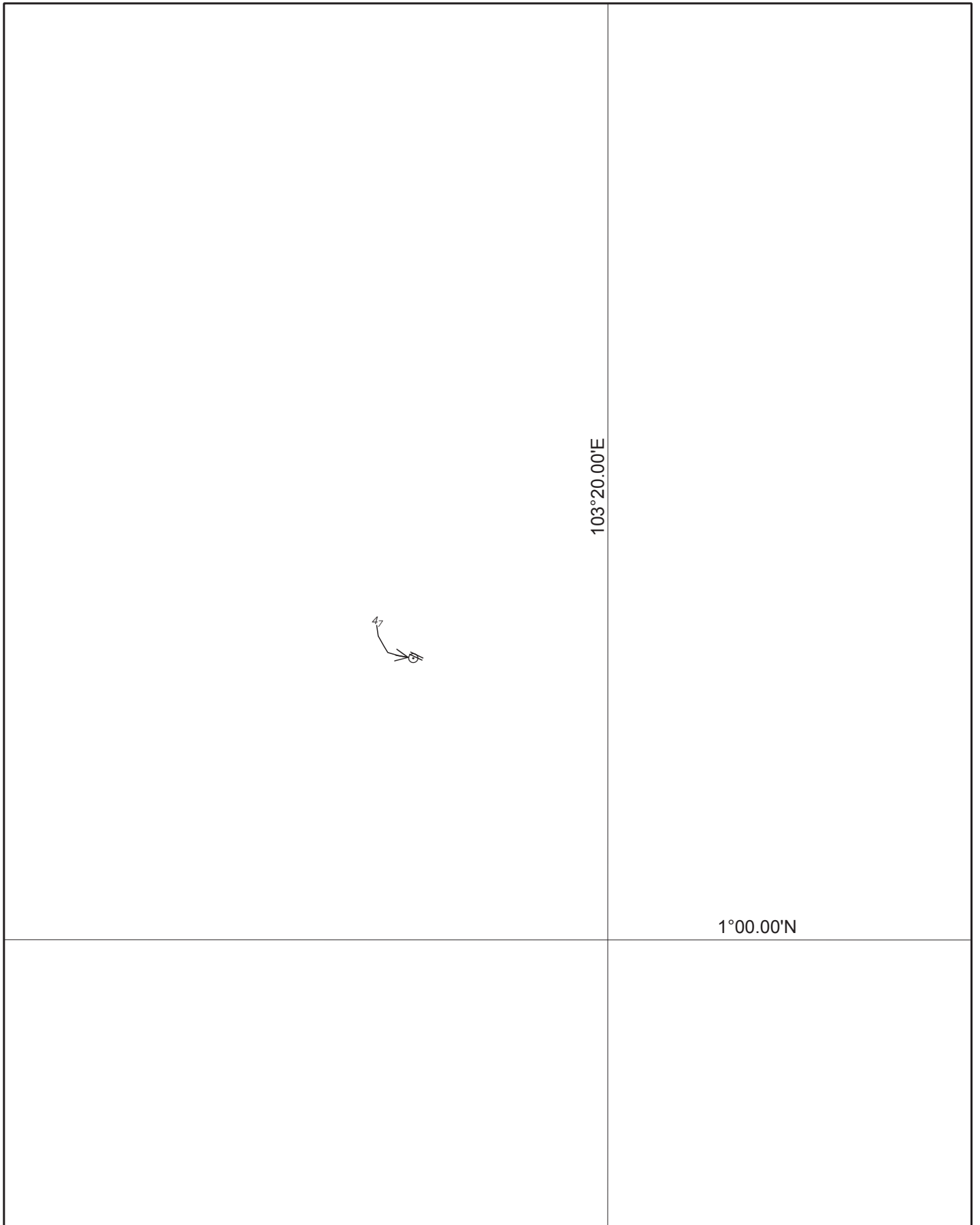
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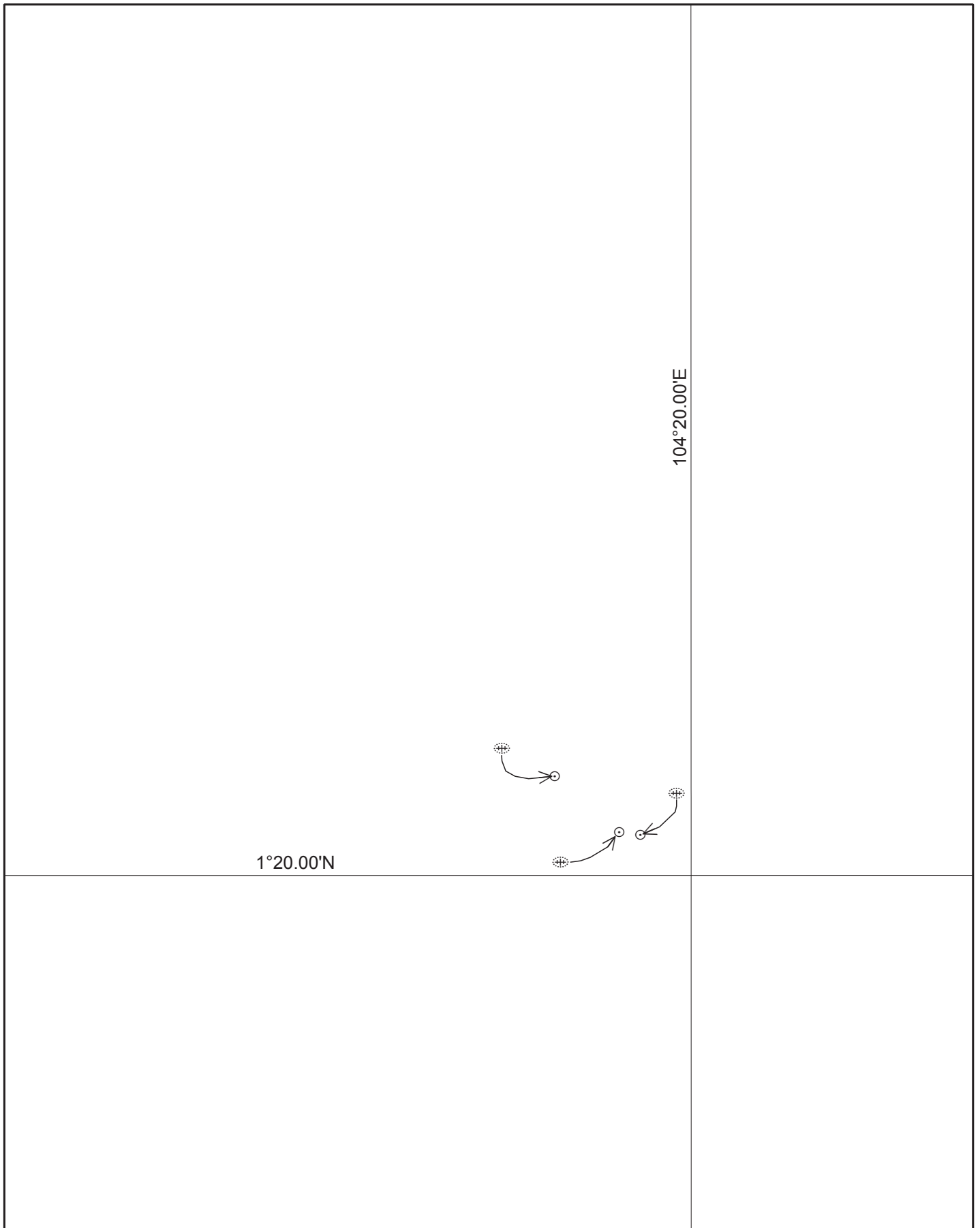
CORRECTION NO.	SNM EDN NO.	LAST CORR NO.	CHART NO.	Location on Chart		
				X		
77	10	60	201			

Caution : some computer printers might distort the tracings.
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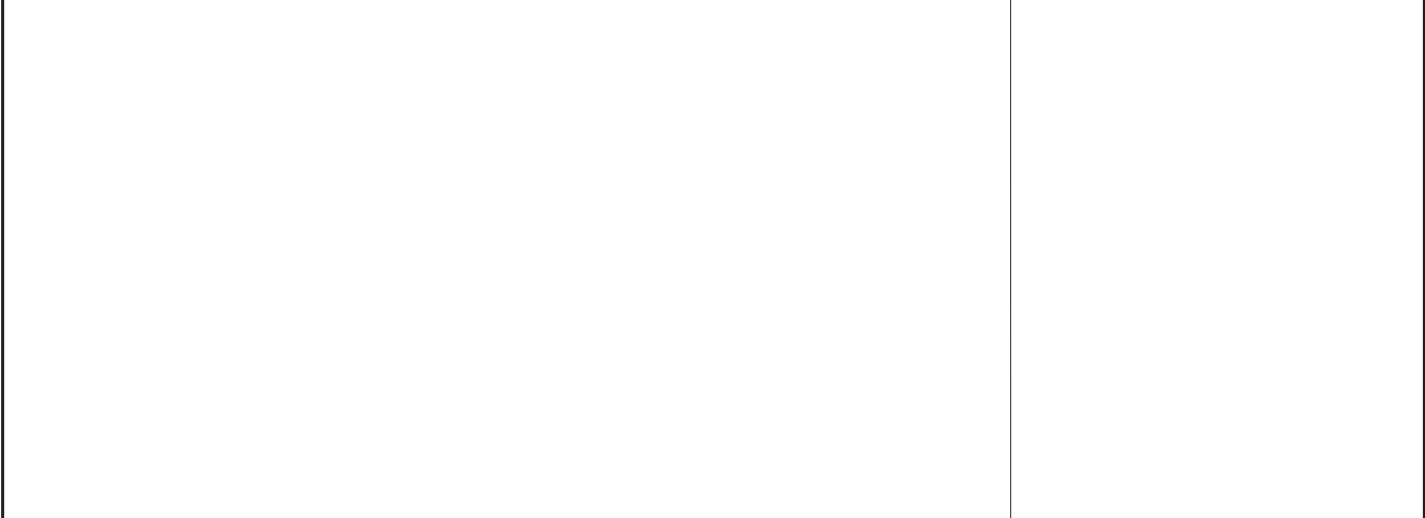
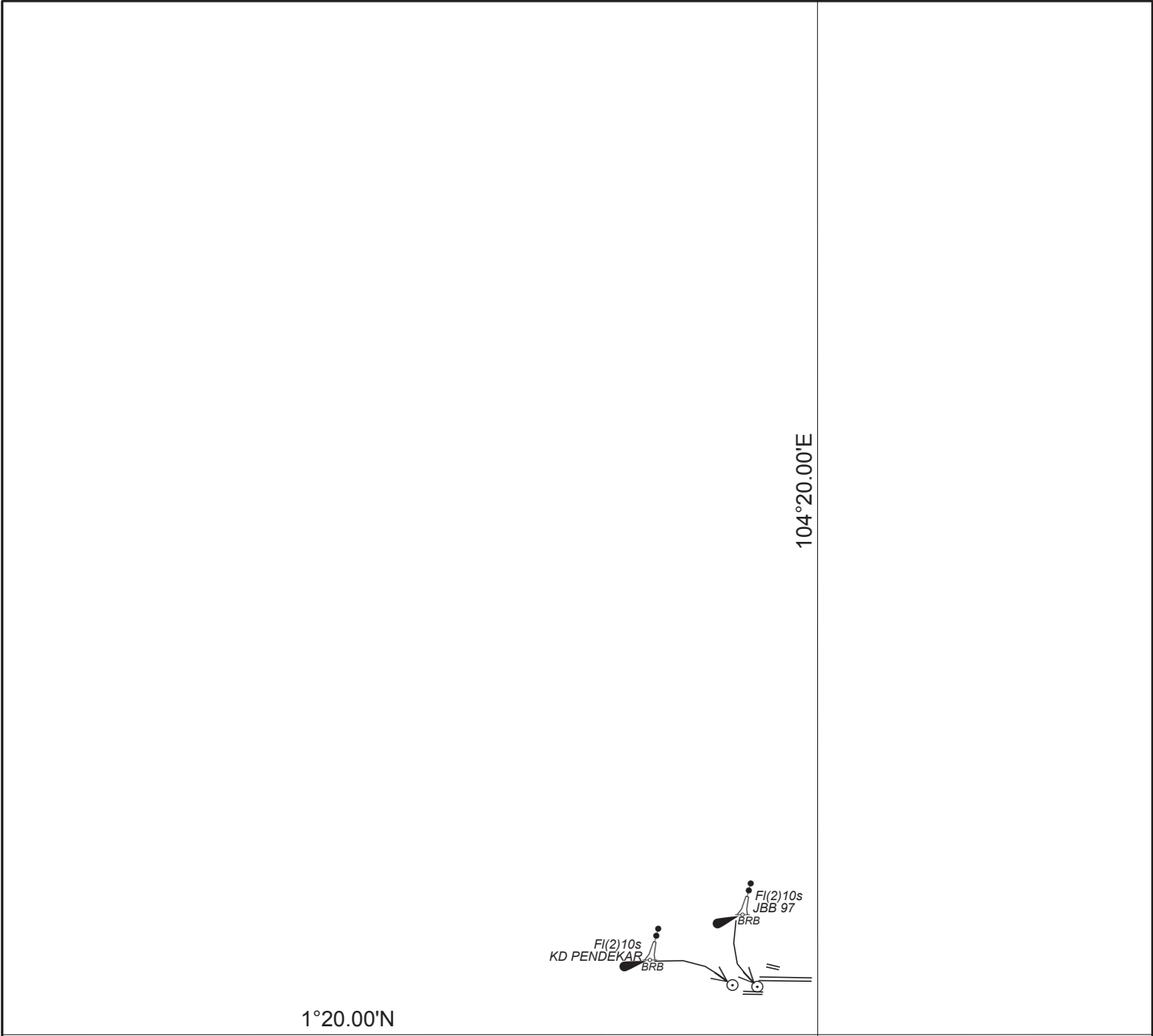
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
79	10	60	202	X		

Caution : some computer printers might distort the tracings.
 Users are advised to check and, if necessary, adjust settings on the printer



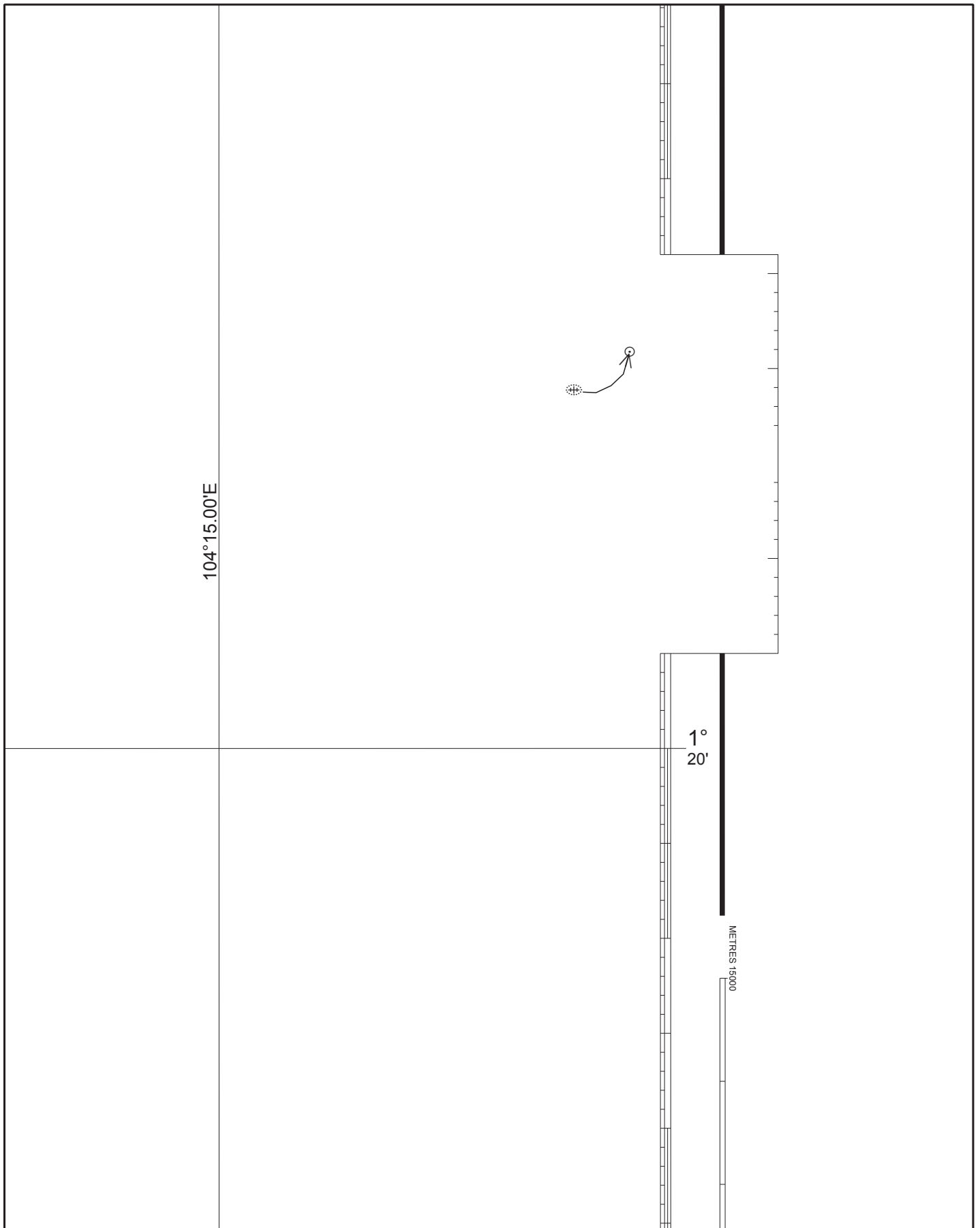
CORRECTION NO.	SNM EDN NO.	LAST CORRNO NO.	CHART NO.	Location on Chart		
80	10	79	202			X

Caution : some computer printers might distort the tracings.
 Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORRNO NO.	CHART NO.	Location on Chart		
81	10	80	202			X

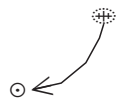
Caution : some computer printers might distort the tracings.
 Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORR NO.	CHART NO.	Location on Chart		
						X
80	10	72	502			

Caution : some computer printers might distort the tracings.
 Users are advised to check and, if necessary, adjust settings on the printer

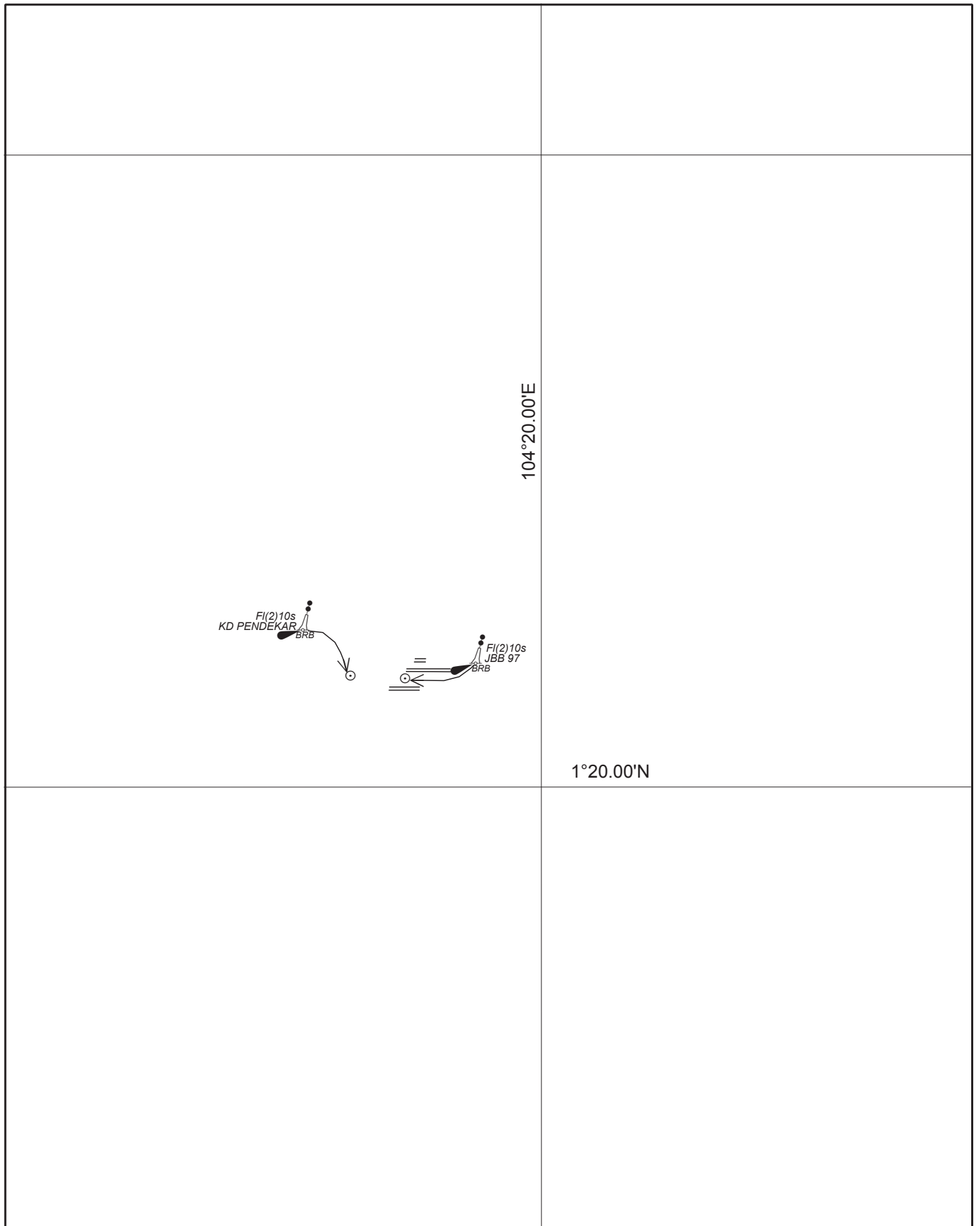
104°15.00'E



1°20.00'N

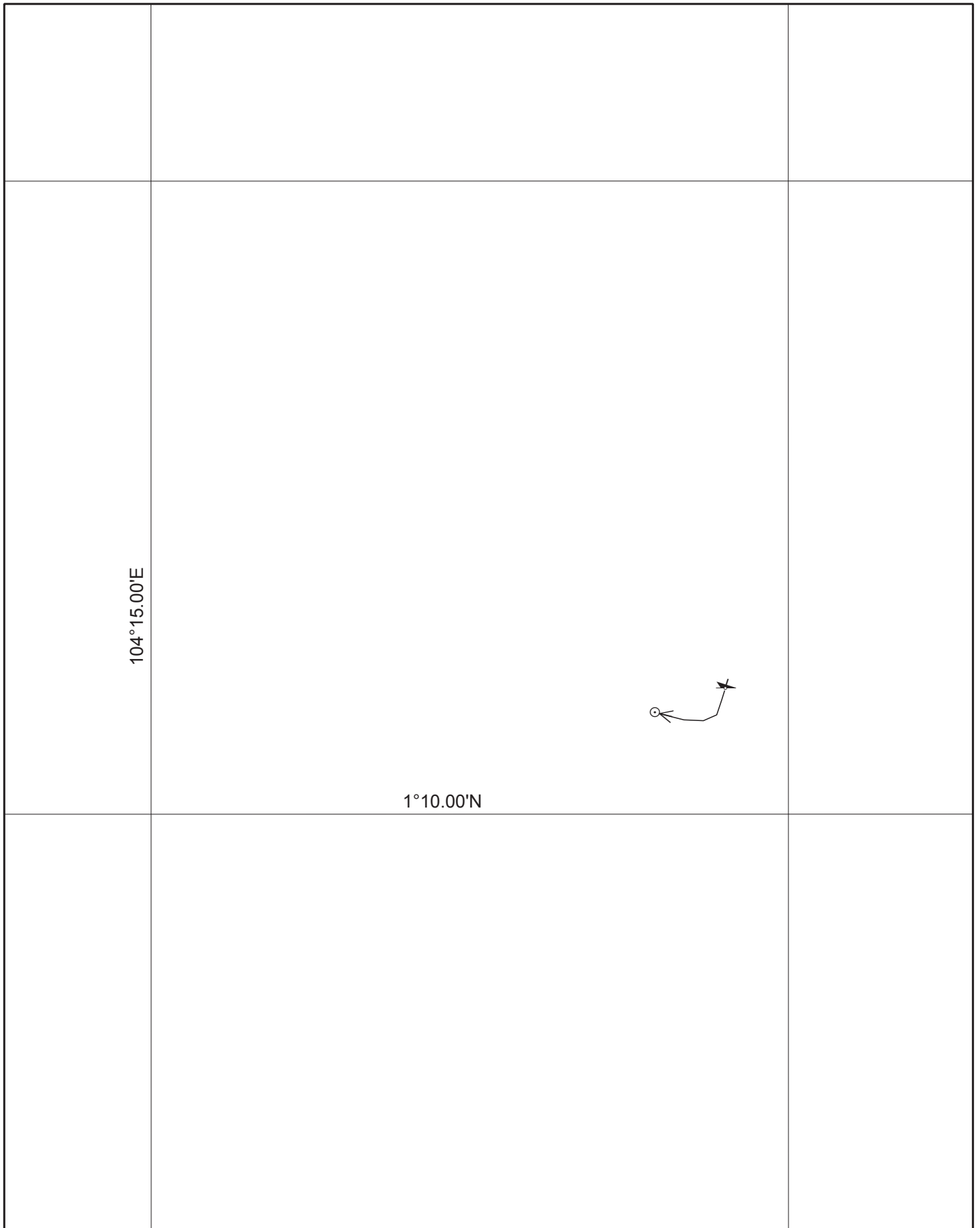
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
80	10	39	503	X		

Caution : some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORRNO NO.	CHART NO.	Location on Chart		
81	10	80	503	X		

Caution : some computer printers might distort the tracings.
 Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
82	10	81	503			
				X		

Caution : some computer printers might distort the tracings.
 Users are advised to check and, if necessary, adjust settings on the printer