



RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		HIBLEO-2FL		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	RES35/6
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	USA	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	NGSO	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2948 / 15.06.2021
RES35 MILESTONE ÉTAPE EN VERTU DE LA RES35 PERIODO INTERMEDIO DE LA RES35		M3		NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	121535009
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					03.03.2021

<p>Ces renseignements ont été reçus conformément aux points 2, 3, 7 ou 8 du <i>décide</i> de la Résolution 35 (CMR-19). Le Bureau des radiocommunications les publie conformément aux points 5 et 10 du <i>décide</i> de cette Résolution.</p> <p>Indication de l'étape en vertu de la RES35 :</p> <p>M0: renseignements initiaux relatifs au déploiement, conformément aux points 2 et 3 du <i>décide</i> M1: 1ère étape, conformément aux points 7a et 8a du <i>décide</i> M2: 2ème étape, conformément aux points 7b et 8b du <i>décide</i> M3: 3ème étape, conformément aux points 7c et 8c du <i>décide</i></p>	<p>This information has been received pursuant to resolves 2, 3, 7 or 8 of Resolution 35 (WRC-19). It is published by the Radiocommunication Bureau in accordance with resolves 5 and 10 of that Resolution.</p> <p>Indication of the RES35 Milestone:</p> <p>M0: initial deployment information, pursuant to resolves 2 and 3 M1: 1st Milestone, pursuant to resolves 7a and 8a M2: 2nd Milestone, pursuant to resolves 7b and 8b M3: 3rd Milestone, pursuant to resolves 7c and 8c</p>	<p>Esta información se ha recibido de conformidad con los <i>resuelve</i> 2, 3, 7 u 8 de la Resolución 35 (CMR-19). La Oficina de Radiocomunicaciones la publica de conformidad con los <i>resuelve</i> 5 y 10 de dicha Resolución.</p> <p>Indicación del plazo de la RES35:</p> <p>M0: información de despliegue inicial, con arreglo a los <i>resuelve</i> 2 y 3. M1: 1^{er} plazo, con arreglo a los <i>resuelve</i> 7a y 8a. M2: 2º plazo, con arreglo a los <i>resuelve</i> 7b y 8b. M3: 3er plazo con arreglo a los <i>resuelve</i> 7c y 8c.</p>
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国际电信联盟
无线电通信局

МЕЖДУНАРОДНЫЙ СОЮЗ ЭЛЕКТРОСВЯЗИ
БЮРО РАДИОСВЯЗИ

الاتحاد الدولي للاتصالات
مكتب الاتصالات الراديوية

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卫星网络 СПУТНИКОВАЯ СЕТЬ الشبكة الساتلية	HIBLEO-2FL		特节编号 СПЕЦИАЛЬНАЯ СЕКЦИЯ № القسم الخاص رقم	RES35/6	
负责主管部门 ОТВЕТСТВЕННАЯ АДМ. الإدارة المسؤولة	USA	标称经度 НОМИНАЛЬНАЯ ДОЛГОТА خط الطول الاسمي	NGSO	无线电通信局国际频率信息通报 / 日期 ИФИК БР / ДАТА النشرة الإعلامية الدولية للترددات / رقمها وتاريخها	2948 / 15.06.2021
第35号决议阶段性成果 ЭТАП В СООТВЕТСТВИИ С РЕЗ 35 المرحلة وفقاً للقرار 35	M3		识别号 ИДЕНТИФИКАЦИОННЫЙ НОМЕР رقم تعرف الهوية	121535009	
通信局收到资料的日期 / ДАТА ПОЛУЧЕНИЯ ИНФОРМАЦИИ БЮРО / في معلومات استلمها المكتب في				03.03.2021	

<p>此资料根据第35号决议（WRC-19）的做出决议第2、3、7或8段收到。无线电通信局根据该决议的做出决议5和10予以公布。</p> <p>第35号决议阶段性成果显示：</p> <p>M0: 初始部署资料，根据做出决议2和3 M1: 第1个阶段性成果，根据做出决议 7a 和 8a M2: 第2个阶段性成果，根据做出决议 7b 和 8b M3: 第3个阶段性成果，根据做出决议 7c 和 8c</p>	<p>Настоящая информация получена в соответствии с пунктами 2, 3, 7 или 8 раздела <i>решает</i> Резолюции 35 (WRC-19). Бюро радиосвязи публикует ее в соответствии с пунктами 5 и 10 раздела <i>решает</i> указанной Резолюции.</p> <p>Обозначение этапа в соответствии с РЕЗ 35:</p> <p>M0: первичная информация о развертывании в соответствии с пунктами 2 и 3 раздела <i>решает</i> M1: 1-й этап, в соответствии с пунктами 7a и 8a раздела <i>решает</i> M2: 2-й этап, в соответствии с пунктами 7b и 8b раздела <i>решает</i> M3: 3-й этап, в соответствии с пунктами 7c и 8c раздела <i>решает</i></p>	<p>وردت هذه المعلومات وفقاً للفقرات 2 أو 3 أو 7 أو 8 من "يقرر" في القرار (WRC-19) 35. وينشرها مكتب الاتصالات الراديوية وفقاً للفقرتين 5 و 10 من "يقرر" من هذا القرار.</p> <p>بيان المرحلة وفقاً للقرار 35:</p> <p>M0: معلومات النشر الأولية، وفقاً للفقرتين 2 و 3 من "يقرر" M1: المرحلة الأولى، وفقاً للفقرتين 7أ و 8أ من "يقرر" M2: المرحلة الثانية، وفقاً للفقرتين 7ب و 8ب من "يقرر" M3: المرحلة الثالثة، وفقاً للفقرتين 7ج و 8ج من "يقرر"</p>
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<p>On trouvera la description des éléments de données utilisés dans les publications dans le document:</p> <ul style="list-style-type: none"> - ItemsDescription_F.pdf - http://www.itu.int/ITU-R/space/brific/legend/ 	<p>The description of the data items used in the publications can be found in the document:</p> <ul style="list-style-type: none"> - ItemsDescription_E.pdf - http://www.itu.int/ITU-R/space/brific/legend/ 	<p>La descripción de los datos empleados en las publicaciones figura en el documento:</p> <ul style="list-style-type: none"> - ItemsDescription_S.pdf - http://www.itu.int/ITU-R/space/brific/legend/
<p>出版物中使用的数据项说明，见文件:</p> <ul style="list-style-type: none"> - ItemsDescription_C.pdf - http://www.itu.int/ITU-R/space/brific/legend/ 	<p>Описание элементов данных, используемых в данной публикации, содержится в документе:</p> <ul style="list-style-type: none"> - ItemsDescription_R.pdf - http://www.itu.int/ITU-R/space/brific/legend/ 	<p>يمكن الاطلاع على وصف عناصر المعطيات المستعملة في المنشورات في الوثيقة:</p> <p style="text-align: center;">ItemsDescription_A.pdf</p> <p style="text-align: center;">http://www.itu.int/ITU-R/space/brific/legend/</p>

Tableau I / Table I / Cuadro I / 表一 / Таблица I / الجدول

Liste des groupes figurant dans la notification qui font l'objet de la présente soumission en vertu de la Résolution 35

List of groups in the notification subject to this Resolution 35 submission

Lista de grupos de la notificación sujetos a la presente comunicación de la Resolución 35

需根据第35号决议提交资料的通知中的组清单

список групп, указанных в заявлении, к которым применяется настоящее представление в соответствии с Резолюцией 35

قائمة المجموعات الواردة في التبليغ والتي تخضع لتقديم المعلومات وفقاً للقرار 35

BR6a/BR6b Id no.	B1a Beam designation	B2 Emi_Rcp	B7a Group id.	BR47 Frequency band (MHz)	A2a Date of bringing into use	BR105 Current Milestone	BR110 Expiry of the milestone period	BR106 Milestone criteria met	BR107 Expiry of the next milestone period
95500673	GTR	R	95873883	29114.6195 - 29285.3805	05.06.1997	M3	01.01.2028	Y	
95500673	GTR	E	95873915	19414.8425 - 19585.1575	05.06.1997	M3	01.01.2028	Y	

Les groupes figurant dans la notification qui ne font pas l'objet de la présente soumission en vertu de la RES 35 ne sont pas indiqués dans le tableau ci-dessus.

Groups in the Notification not subject to this RES 35 submission are not listed in the table above

No figuran en el cuadro de arriba los grupos de la notificación que no están sujetos a esta presentación de la RES 35.

无需根据第35号决议提交资料的通知中的组清单没有列入上表。

Группы, указанные в Заявлении, к которым не применяется настоящее представление в соответствии с РЕЗ 35, в приведенной выше таблице не перечислены.

ولا ترد في الجدول أعلاه المجموعات الواردة في التبليغ والتي لا تخضع لتقديم المعلومات وفقاً للقرار 35.

Tableau II / Table II / Cuadro II / 表二 / Таблица II / II الجدول

Liste des plans orbitaux figurant dans la notification et stations spatiales déployées correspondantes

List of the orbital planes in the notification and corresponding deployed space stations

Lista de los planos orbitales en la notificación y las correspondientes estaciones espaciales desplegadas

在通知和对应的已部署空间电台中的轨道平面清单

список орбитальных плоскостей, указанных в заявлении, и соответствующих развернутых космических станций

قائمة المستويات المدارية الواردة في التبليغ والمحطات الفضائية المقابلة التي نُشرت

ORBITAL PARAMETERS IN THE NOTIFICATION							DATA FROM THE RES 35 SUBMISSION	
BR6a/BR6b Id no.	BR93 Orbital plane id no.	A4b4a Inclination angle	A4b4d Apogee	A4b4e Perigee	A4b4i Arg. of perigee	A4b4b No. of space stations in this plane	BR111 Number of space stations deployed in this plane	
95500673	1	86.4	775	775	90	11	13	
95500673	2	86.4	775	775	90	11	12	
95500673	3	86.4	775	775	90	11	13	
95500673	4	86.4	775	775	90	11	12	
95500673	5	86.4	775	775	90	11	13	
95500673	6	86.4	775	775	90	11	12	
BR112 Total number of space stations notified / BR113 Total number of space stations deployed							66	75

Tableau III / Table III / Cuadro III / 表三 / Таблица III / III الجدول

Déploiement du système à satellites par bande de fréquences

Satellite system deployment by frequency band

Despliegue del sistema de satélites por banda de frecuencias

按频段列出的卫星系统

развертывание космических систем по полосе частот

نشر الأنظمة الساتلية بحسب نطاق التردد

BR114 Frequency band			BR118 Number of space stations notified by frequency band	BR119 Number of space stations deployed by frequency band	BR120 Percentage of space stations deployed vs notified	BR121 Milestone met (YES/NO)
BR117 ID of the frequency band	BR115 Freq min (MHz)	BR116 Freq max (MHz)				
1	19414.8425	19420.1575	66	75	100%	Y
2	19429.8425	19435.1575	66	75	100%	Y
3	19444.8425	19450.1575	66	75	100%	Y
4	19459.8425	19465.1575	66	75	100%	Y
5	19474.8425	19480.1575	66	75	100%	Y
6	19489.8425	19495.1575	66	75	100%	Y
7	19504.8425	19510.1575	66	75	100%	Y
8	19519.8425	19525.1575	66	75	100%	Y
9	19534.8425	19540.1575	66	75	100%	Y
10	19549.8425	19555.1575	66	75	100%	Y
11	19564.8425	19570.1575	66	75	100%	Y
12	19579.8425	19585.1575	66	75	100%	Y
13	29114.6195	29120.3805	66	75	100%	Y
14	29129.6195	29135.3805	66	75	100%	Y
15	29144.6195	29150.3805	66	75	100%	Y
16	29159.6195	29165.3805	66	75	100%	Y
17	29174.6195	29180.3805	66	75	100%	Y
18	29189.6195	29195.3805	66	75	100%	Y
19	29204.6195	29210.3805	66	75	100%	Y
20	29219.6195	29225.3805	66	75	100%	Y
21	29234.6195	29240.3805	66	75	100%	Y

22	29249.6195	29255.3805	66	75	100%	Y
23	29264.6195	29270.3805	66	75	100%	Y
24	29279.6195	29285.3805	66	75	100%	Y

Tableau IV / Table IV / Cuadro IV / 表四 / Таблица IV / IV الجدول

Renseignements concernant le lancement pour les stations spatiales déployées

Launch information for the deployed space stations

Información sobre el lanzamiento de las estaciones espaciales desplegadas

已部署空间电台的发射信息

информация о запуске для развернутых космических станций

المعلومات الخاصة بالإطلاق فيما يتعلق بالمحطات الفضائية التي نُشرت

BR122 ID of the launch	BR34 Name of the launch vehicle provider	BR35 Name of the launch vehicle	BR38 Name of the launch facility	BR39 Country/location	BR40 Geographical coordinates		BR91 Launch date
1	SPACEX	FALCON 9	VANDENBERG	USA	120W30 00	034N37 48	14.01.2017
2	SPACEX	FALCON 9	VANDENBERG	USA	120W30 00	034N37 48	25.06.2017
3	SPACEX	FALCON 9	VANDENBERG	USA	120W30 00	034N37 48	09.10.2017
4	SPACEX	FALCON 9	VANDENBERG	USA	120W30 00	034N37 48	23.12.2017
5	SPACEX	FALCON 9	VANDENBERG	USA	120W30 00	034N37 48	30.03.2018
6	SPACEX	FALCON 9	VANDENBERG	USA	120W30 00	034N37 48	22.05.2018
7	SPACEX	FALCON 9	VANDENBERG	USA	120W30 00	034N37 48	25.07.2018
8	SPACEX	FALCON 9	VANDENBERG	USA	120W30 00	034N37 48	11.01.2019

Tableau V / Table V / Cuadro V / 表五 / Таблица V / V الجدول

Characteristics of the deployed space stations

Caractéristiques des stations spatiales déployées

Características de las estaciones espaciales desplegadas

已部署空间电台的特性

характеристики развернутых космических станций

خصائص المحطات الفضائية التي نُشرت

BR123 ID of the space station	BR122 ID of the launch	BR124 Name of the space station	BR93 Orbital plane number	BR129 Orbital characteristics				BR117 ID of the frequency band (see Table III)
				BR125 Apogee	BR126 Perigee	BR127 Inclination angle	BR128 Arg. of perigee	
1	1	IR-102	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
2	1	IR-103	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
3	1	IR-104	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
4	1	IR-105	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
5	1	IR-106	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
6	1	IR-108	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
7	1	IR-109	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
8	1	IR-111	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
9	1	IR-112	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
10	1	IR-114	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
1	2	IR-113	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
2	2	IR-115	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
3	2	IR-117	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
4	2	IR-118	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
5	2	IR-120	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
6	2	IR-121	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
7	2	IR-123	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
8	2	IR-124	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
9	2	IR-126	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
10	2	IR-128	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24

BR123 ID of the space station	BR122 ID of the launch	BR124 Name of the space station	BR93 Orbital plane number	BR129 Orbital characteristics				BR117 ID of the frequency band (see Table III)
				BR125 Apogee	BR126 Perigee	BR127 Inclination angle	BR128 Arg. of perigee	
1	3	IR-100	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
2	3	IR-107	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
3	3	IR-119	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
4	3	IR-122	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
5	3	IR-125	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
6	3	IR-129	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
7	3	IR-132	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
8	3	IR-133	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
9	3	IR-136	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
10	3	IR-139	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
1	4	IR-116	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
2	4	IR-130	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
3	4	IR-131	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
4	4	IR-134	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
5	4	IR-135	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
6	4	IR-137	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
7	4	IR-138	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
8	4	IR-141	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
9	4	IR-151	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
10	4	IR-153	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
1	5	IR-140	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
2	5	IR-142	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
3	5	IR-143	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
4	5	IR-144	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
5	5	IR-145	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
6	5	IR-146	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
7	5	IR-148	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
8	5	IR-149	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24

BR123 ID of the space station	BR122 ID of the launch	BR124 Name of the space station	BR93 Orbital plane number	BR129 Orbital characteristics				BR117 ID of the frequency band (see Table III)
				BR125 Apogee	BR126 Perigee	BR127 Inclination angle	BR128 Arg. of perigee	
9	5	IR-150	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
10	5	IR-157	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
1	6	IR-110	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
2	6	IR-147	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
3	6	IR-152	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
4	6	IR-161	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
5	6	IR-162	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
1	7	IR-154	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
2	7	IR-155	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
3	7	IR-156	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
4	7	IR-158	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
5	7	IR-159	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
6	7	IR-160	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
7	7	IR-163	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
8	7	IR-164	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
9	7	IR-165	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
10	7	IR-166	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
1	8	IR-167	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
2	8	IR-168	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
3	8	IR-169	1	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
4	8	IR-170	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
5	8	IR-171	3	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
6	8	IR-172	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
7	8	IR-173	5	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
8	8	IR-175	2	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
9	8	IR-176	4	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
10	8	IR-180	6	780	780	86.40	0	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24